

Curriculum Vitae

Personal Information

Name : Rodrigo Rubira Branco
Birthday : 04/27/1984
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Site : <http://www.kernelhacking.com/rodrigo>

Academic Information

- Cursing Master Degree in Computer Engineering
Conclusion: 2011 University: ITA – Instituto Tecnológico da Aeronáutica (Aeronautic's Institute of Technology)
Thesis: Network Traffic Disassembly for Generic Shellcode Detection
- Graduate in Information Security (this is called post-graduation in Brazil)
Conclusion: 2007 University: ITA – Instituto Tecnológico da Aeronáutica (Aeronautic's Institute of Technology)
Thesis: Dynamic Modifications in OS Kernels to Achieve More Security
- Undergraduate in Information Systems - Bachelor Degree
Conclusion: 2005 University: G&P
Thesis: Polymorphic Attacks
- Technical High-School (Information Systems) in UNESP (State University of São Paulo) - 2000

Scholarship Projects

- Worked in a vulnerability research project sponsored by Microsoft in the Aeronautic's Institute of Technology (ITA)
 - Details are confidential
- Worked in the Audit process of the Brazilian Lottery (the biggest in the world) funding from the Brazilian Bank - Caixa Economica Federal
 - Mainframe Linux Auditing
 - Network communication solutions
 - Development of a custom Linux distribution focusing the secure communications needed in the bank operations by more than 2000 locations
- Worked in the "Joao de Barro" project funding from the Brazilian Navy
 - Development of a Secure Linux Distribution to PKI-Brazil
 - Member of the Aeronautic's Institute of Technology (ITA) responsible for the Embedded Operating System (FIPS-140-3)
 - Linux-Based kernel

Projects

- Organizer of the Hackers to Hackers Conference (H2HC) – <http://www.h2hc.com.br>
- Creator of the SCMorphism (automated way for testing IDS/IPS systems against polymorphic attacks)
- Maintainer of StJude/StMichael (Linux/Solaris Kernel Host IDS)
- Maintainer of LKMPG (Linux Kernel Module Programming Guide) for 2.4 kernel branch
- Maintainer of Ebizzy (Multi-OS performance testing tool – ideal for test performance of internal system components, like libc created by Valerie Henson)

Published Researches

- Member of the Security Research Group (RISE Security www.risecurity.org) – Ex-member of the group Priv8Security (www.priv8security.org) – a lot of security studies published (mostly with PoC exploits – after vendor notification and published patches). Some releases:

1. Borland Interbase Multiple Exploits (metasploit modules)
2. Samba Exploits (metasploit modules)
3. MacOS Kernel Multiple Vulnerabilities
4. *BSD Kernel Multiple Vulnerabilities
5. Microsoft Windows Vulnerabilities (ISA Server, Animated Cursor)
6. Halflife Vulnerability
7. Solaris Vulnerabilities (remote and local)
8. QNX Vulnerabilities
9. Microsoft Office Vulnerabilities
10. Others (web systems, debugging tools, Linux Kernel, Ghostscript, HP-UX, SGI and others)

- Evading Intrusion Detecting Systems using Polymorphic Attacks – Hackers to Hackers Conference I

- Lots of published decoders for polymorphic shellcodes

- Kernel Rootkits x Application Firewalls – Hackers to Hackers Conference II

- Syscall Proxying || Pivoting – Hackers to Hackers Conference III

- Protecting the Kernel Integrity – Actual Issues – Defcon 2006 (first to use LSM in a rootkit and to discuss LSM problems)

- Protecting the Kernel Integrity using SMM – Hack in The Box Dubai 2007

- Protecting the Kernel Integrity – going deeper – VNSecurity Vietnam 2007

- Protecting the Kernel Integrity – other platforms and challenges – Xcon China 2007

- Anti-forensics Challenge – SMM rootkits – Hack in The Box Malaysia 2007

- Kernel Intrusion Detection System – You Shot the Sheriff Conference 2007

- Kernel Intrusion Detection System – Ekoparty (Argentina) 2007

- Kernel Intrusion Detection System – Hackers to Hackers Conference IV

- Exploiting the Cell Broadband Engine Architecture – Hack in The Box Dubai 2008 (first to show how to exploit software on this new architecture)

- Kernel Intrusion Detection System – Code Analysis – Troopers (Germany) 2008

- Advanced Payloads – What is new, what works and what is hoax? – uCon Conference 2009

- Advanced Payloads Detection – Network Disassembling Improvements – Hack in The Box Dubai 2009

- Advanced Payloads Detection – Implementation Details – Troopers (Germany) 2009

- Letting your fuzzer know about target's internals – You Shot the Sheriff Conference 2009

- Letting your fuzzer know about target's internals – Troopers (Germany) 2010

- From myth to real stuff: SMM, Kernel spoils and TPM – Hackito Ergosum (France) 2010

- Architecture for Automation of Malware Analysis – 5th International Conference on Malicious and Unwanted Software (Loria, France) 2010

- Dynamic Program Analysis and Software Exploitation: From the crash to the exploit code – Troopers (Germany) 2011

- Behind the Scenes: Security Research – Hackito Ergosum (France) 2011

- Behind the Scenes: Security Research Brazil x Worldwide Analysis – ISC2 Secure Brasil 2011

- Automated Malware Analysis – TakeDown Conference (USA) 2011

Published Articles

- Co-author of the Book Defend I.T.: Security by Example, Addison-Wesley Professional, May/2004
- Co-author of the Book: Linux Guide to Connectivity, Cyclades/Brazil, November/2003
- Phrack Magazine – Number 67/2010 – “Dynamic Program Analysis and Software Exploitation – From the crash to the exploit code”
- Phrack Magazine – Number 66/2009 – “Hacking the Cell Broadband Engine Engine Architecture – SPE software exploitation”
- Phrack Magazine – Number 65/2008 – System Management Mode Hacks
- Ottawa Linux Symposium, Canada 2007 – “Ltrace Internals”
- Security Symposium IEEE (ITA – Aeronautics’ Institute of Technology) - “Protecting the Linux Kernel Integrity”
- International Journal of Communication Networks and Information Security - “Streamed Analysis of Network Files to avoid False Positives and to Detect Client-side Attacks”
- 5th IEEE International Conference on Malicious and Unwanted Software (Malware 2010) – “Architecture for Automation of Malware Analysis”
- Hakin9 Magazine – 2008 – “Kernel Hacking & Anti-forensics: Evading Memory Analysis”
- Hakin9 Magazine – 2007 – “Polymorphic Attacks”
- University Graduation thesis (under graduation) - “Polymorphic Attacks”
- Post-graduation thesis (graduation) - “Modifying operating system internals to achieve security”
- Security Magazine/Brazil – Number 21/2003 – Using Routers for Network Security – Part I
- Security Magazine/Brazil – Number 16/2002 – What really is a Firewall?
- Linux Magazine Brazil – Intrusion Detection/Prevention Systems – Myths and reality

Professional

- Working as the Director of Vulnerability & Malware Research at Qualys.
As the founder of the Dissect || PE Malware Analysis Project, acquired by Qualys in January/2011, my responsibilities include:
 1. Create malware exchange program with different security vendors and projects (millions of malwares in the database)
 2. Create an infra-structure capable of expansion (plugin-based, distributed) to analyze the collected samples
 3. Provide this infra-structure for development of new techniques and research by the community and other security researchers
 4. Lead Security Researchers at Qualys in Malware Analysis and Vulnerability Research
 5. Find and release/coordinate vulnerabilities in main software
- Worked as Chief Security Research at Check Point (~3.5 years). Responsibilities:
 1. Discover vulnerabilities in many major softwares (like Microsoft, Adobe, Linux)
 2. Analyze published vulnerabilities and patches in order to create functional proof-of concept code
 3. Analyze published patches in order to determine exploitability vectors and help creating defenses for the IPS productsSome advisories released:
<http://www.kernelhacking.com/rodrigo/index.php?name=advisories>
- Worked as a Senior Vulnerability Researcher at COSEINC (~2.5 years). Responsibilities:
 1. Discover vulnerabilities in Linux-based softwares
 2. Develop new exploits and exploiting techniques

3. Research & Develop solutions for vulnerability exploitation
 4. Develop new trainings about Linux Software Exploitation and Linux Internals
 5. Develop testing methodologies for automated vulnerability discovery (fuzzers)
- Worked as a Security Expert for Check Point (2 years). Responsibilities:
1. Technical engagement in new Check Point opportunities
 2. All-products specialization:
 - 2.1. IPS-1
 - 2.2. VPN-1
 - 2.3. Appliances
 - 2.4. Connectra
 - 2.5. Provider-1/VSX
 - 2.6. Eventia Reporter/Analyzer
 3. Be a technical reference in Brazil
 4. Interaction with the R&D in the following areas:
 - 4.1. Providing trainings to other teams about Ethical Hacking & Incident Handling (trainings around USA and Europe)
 - 4.2. Looking for improvements in the security of the products
 - 4.3. Researching new vulnerabilities in softwares and providing defenses
- Worked as the Principal Security Researcher at Scanit (~6 months – until the company was acquired) – Acting as the research technical leader. Some experiences:
1. Auditing of a cell-phone web-services based application for a Dubai Bank
 2. Release of some vulnerabilities (qnx and web-based solutions)
 3. Training development about software exploitation
 4. The team won the Hack in The Box Conference Dubai 2008 Capture the Flag competition
 5. Development of debugging extensions for vulnerability exploitation
- Worked as a Linux Software Engineer at IBM (2 years) - Part of the Toolchain for PowerPC64 (working in GDB/Ltrace development) and also member of the Advanced Linux Response Team (ALRT). Some experiences:
1. Ltrace code internals
 2. Linux Kernel IPv6 Support Documentation (for Common Criteria Certification – Low Level Documentation)
 3. Linux Kernel IPsec Support Documentation (for Common Criteria Certification – Low Level Documentation)
 4. System Scalability (analysis, testing) – collaborating with ebizzy project
 5. Linux Kernel Patches (HW breakpoint support for some PowerPC architecture)
 6. Trained the team (Brazil and US) about how software can be exploited and how to avoid vulnerabilities
 7. Cell Platform programming experiences
 8. Some IBM product experience helping to support newest kernels and avoiding system restrictions
 9. Security tests in some softwares (like oprofile, another developer generated the patch: http://www.kernelhacking.com/rodrigo/files/security_fixes_20080401.patch)
 10. Real Time Linux (RTLinux) Implementations and development for the Brazilian Navy
- Consulting activities for Porto Seguro (the biggest insurance company in Brazil) for 1 year and in many other projects after that
1. Act as Senior Security Analyst
 2. Analyze and recommend internal projects and infra-structures
 3. Help the company to secure its complex and mixed servers based (more than 400 servers with different unix and windows systems)

- Linux/Security Project Architect at MD Systems (1 year). Some experiences:
 1. Check Point and other security solutions implementations
 2. Development of Squid Integrations to support group and acl control using LDAP and transparent authentication (no authentication configured in the navigators)
 3. Security Research for customers and development of integrated Linux solutions
 4. Integration between token-based solutions and physical security devices through a communication proxy developed

- Security Researcher at Firewalls Security Corporation (4 years). Some experiences:
 1. How to lead a team (I've been one of the founders of the company)
 2. How to project the company future, understand the competitors and foresee the area of actuation
 3. A lot of different projects with different technologies
 4. Researches in:
 - Intrusion Detection (writing signatures for NFR IDS and developing testing/evasion tools)
 - Software Exploitation (many customer-engagements for code auditing)
 - Kernel Security

- Senior Linux Consultant at Stationet Digital (2 years). Some experiences:
 1. Linux training material development
 2. Linux training engagements
 3. Linux servers implementation
 4. Focused in Linux Security Solutions

- Consultant at Cyclades into Network Routers/RAS with Linux Embedded Development (to NL1000) and Training Support/Partner Teams into the Old Product-Lines (before NL1000 has been released)

- Teacher of 'Firewalls' class in the Graduate in Computer Security of IBTA - 2010

- Teacher of Forensics in the MBA in Computer Security of Uninove University - 2008

- Teacher of Graduate classes about Cutting-Edge Topics in Computer Security at FMU University – 2007

- Teacher of Operation Systems to the Undergraduate Bachelor Degree of the G&P University – 2006

- Teacher at ISPA/Cyclades into Networking/Security/Linux Trainings

- Teacher at Senac IT Technical College (Linux classes)

Professional Certifications

- Certified Ethical Hacking (CEHv5)
- Check Point Certified Managed Security Expert (CCMSE)
- Check Point Certified Managed Security Expert (CCMSE) + VSX
- CP-IPS1 (Check Point Certified Intrusion Prevention System)
- CCSE+ (Check Point Certified Security Expert Plus)
- CCSE (Check Point Certified Security Expert)
- CCSA (Check Point Certified Security Administrator)
- SANS GREM (GIAC Reverse Engineering Malwares) Instructor and Certified
- SANS Mastering Packet Analysis Instructor and Certified

- SANS Cutting Edge Hacking Techniques Instructor and Certified (first instructor of SANS in Brazil)
- NGSec Security Certification (Practical and Theoretical Software Exploitation)
- LPI I
- LPI II
- LPI III Security
- 3M Volition Structured Cabling Systems (fiber/copper) - 2003
- Cyclades Products (PR1000, PR2000, PR3000, PR4000, NL4000, NL1000, AlterPath, PC300/400/Y/Ye)
- ISPA/Cyclades (TCP/IP, LAN, WAN, ISP, Management, Developer of the Course ISPA/Cyclades – Security, Developer of the Course ISPA/Cyclades – Linux)
- Advanced Certification in Conectiva Linux

Awards / Honors

- Best student in the University - 2001
- Security Professional Honors (SecMasters 2006) - one of the three best Contributors to market expansion in Brazil - started the SANS Trainings in Brazil
- SANS GIAC Board Member
- Authorized to give the SANS training about exploit writing for Linux and Windows (there is no certification associated with that training, just real probation releasing real vulnerabilities)
- Organizer of Hackers 2 Hackers Conference (H2HC) – The biggest hacking conference in latin america (<http://www.h2hc.com.br/en>)
- Constantly invited to speak to the most important security conferences in Brazil and also to the brazilian media about computer security questions (Television: Globo, Record, Bandeirantes, RedeTV; Conferences: CNASI, SSI, YSTS, H2HC, FISLI, CONISLI, others)
- Top reviewer hakin9 magazine
- Invited to participate in the forum about Security Research during Microsoft Bluehat Invite-only conference (2010) in both Argentina and Redmond and then again in 2011
- Keynote speaker in Hackito Ergosum 2011 Conference – Paris/France
- Keynote speaker in ISC2 Secure Brasil 2011 Conference – São Paulo/Brazil
- Invited speaker for ECCouncil Take Down Conference 2011 – Dallas/USA
- Invited speaker at Kaspersky Security Analyst Summit 2011 – Málaga/Spain
- Part of the selection committee for the Hackito Ergosum Conference in Paris/France
- Part of the selection committee for the OWASP AppSec 2010, 2011 in Brazil
- Part of the selection committee for the CNASI LatinAmerica 2010 in Brazil
- Invited to PH-Neutral Conference (2007-2010). Attended in 2009. This is a security research invite-only conference.
- Article: “Anti-forensics: Evading memory analysis” selected as the best article of all times for Hakin9 (front article of the Hakin9 special edition ‘The Best of Hakin9’).
- In 2011 considered by Adobe the top contributor of the past 12 months in regarding to reporting Adobe Vulnerabilities

Recommendations (Borrowed from LinkedIn Profile)

Security Expert at Check Point Software Technologies

“Rodrigo is very good professional and good human being. We had a great talks during XCON conference and since then we are sharing knowledge together. He is having a good hands in Linux Security and new trends that encompassing *Nix Platforms. I recommend him for any position related to security research.” May 7, 2008

[Aditya K Sood](#) , *Founder , SecNiche Security*
worked with Rodrigo at Check Point Software Technologies

SANS Instructor Brazil at SANS Institute

“Rodrigo Rubira Branco is a great instructor and provided excellent value to his students, mainly because of his didactic techniques, excitement, and deep knowledge.” December 3, 2007

[Ricardo Giorgi](#) , *Systems and Contingency Manager , Vivo*
was with another company when working with Rodrigo at SANS Institute

Organizer Hackers to Hackers Conference at H2HC - Hackers to Hackers Conference

“Rodrigo is a highly proactive and multifaceted professional, who does not fear new professional challenges. Extremely recommended.” October 15, 2008

[Rodrigo Costa](#) , *Information Security Analyst , Tempest Security Intelligence*
worked directly with Rodrigo at H2HC - Hackers to Hackers Conference

“Artur Duque and I had the opportunity to give a talk at H2HC as well as attend to the other presentations. The conference was very nice and well organized. I recommend Rodrigo and all the staff team.” November 5, 2007

[Eduardo Fleury](#) , *Software Engineer , IBM*
worked directly with Rodrigo at H2HC - Hackers to Hackers Conference

“Rodrigo is directly involved in the organization of H2HC, a security (or in-security) conference at Brazil. Probably the best technical event in Brazil.” October 4, 2007

[Willian Caprino](#) , *Information Security Specialist , Visanet*
worked with Rodrigo at H2HC - Hackers to Hackers Conference

Software Engineer at IBM

“I haven't actually hired Rodrigo, but used his presentation skills, as a Linux evangelist on several university visits I've organized to IBM's Hortolandia site. Rodrigo's skills in showing how learning and becoming professional on Linux can demonstrate a competitive advantage, all the examples used to show that, by joining the open-source community, you can showcase your abilities, and prove experience without having a "formal job", all this deeply changed student's points-of-view. His work on all presentations request was remarkable.” November 13, 2007

Top qualities: Great Results , Expert , On Time

[Renato Martins](#)
hired Rodrigo as a Speaker/Presenter in 2006 , and hired Rodrigo more than once

“He's the one. If you can find something he can't work out (I couldn't, so far), just give him a few minutes and he's gonna make it.” November 1, 2007

[Leonardo Rangel Augusto](#) , *Software Engineer , IBM*
worked with Rodrigo at IBM

“Rodrigo is an extremely skilled person in computer security and Linux/Unix. His deep knowledge on these areas, his great flexibility and wish to share what he knows are remarkable. He is the kind of person always prompt to help and to exchange good ideas.” October 13, 2007

[Leonardo Garcia](#) , *Linux on Cell IDE Software Engineer , IBM Linux Technology Center*
worked directly with Rodrigo at IBM

“Rodrigo is one of the best Linux Kernel hacker which I know. He is a very smart guy, excellent chess player and also a great friend.” October 4, 2007

[Willian Caprino](#) , *Information Security Specialist , Visanet*
worked with Rodrigo at IBM

“I had the pleasure of meeting Rodrigo at Hack in the box 2007 Dubai and then again later in Malaysia. Rodrigo is by far the most passionate speaker that I have ever met. His knowledge is profound in areas of hacking and security and I am very privileged to have spoken to him on many occasions and on many different IT security topics. I can recommend Rodrigo 100% for any security job and speaking event. His personality and passion for IT security is amazing and I am proud to be associated with him as a work colleague and now as a good friend.” September 25, 2007

[Dino Covotsos](#) , *Director , Telspace Systems*
was with another company when working with Rodrigo at IBM

“Rodrigo is the man when it comes to build a new application. He knows how to use his large panel of technical skills to resolve complex problems. And this, with really appreciated relationship skills. Very efficient.” September 23, 2007

Top qualities: Great Results , Expert , High Integrity

[Jerome Athias](#)
hired Rodrigo as a IT Consultant in 2007

“Rodrigo is a great Software Engineer, who charges a lot of knowledge about Linux, system internals, Kernel and other applications related to this environment, such as Apache, Bind, SendMail, PostFix and so on. Also, he is a great guy, very trustworthy and reliable. He has a great sense of humor and always have a good answer for any kind of question. Extremely recommended.” September 19, 2007

Top qualities: Great Results , Personable , Expert

[Julio Moreira, CISSP, ISO 27001 Lead Auditor](#)
hired Rodrigo as a IT Consultant in 2006 , and hired Rodrigo more than once

“Rodrigo is one of the most passionate speakers we've had to date - his zeal and enthusiasm for the subject he speaks on is second to none. He has presented at both HITBSecConf2007 Dubai and HITBSecConf2007 Malaysia and the feedback from attendees from both occasions has been great!” September 19, 2007

Top qualities: Great Results , Personable , Expert

[Dhillon Kannabhiran](#)
hired Rodrigo as a Conference Speaker in 2007 , and hired Rodrigo more than once

“My brief encounter with Rodrigo was at the Hack In The Box Conference in 2007 down in Kuala Lumpur. In addition to giving a phenomenal talk on Forensics Challenges and Anti-Forensics techniques, he was a great person to talk with and demonstrated in-depth knowledge of the Linux Kernel. Rodrigo's easy-going nature and genuine attitude to sharing knowledge means that he will

always help you to learn and understand a specific topic or technique. As a hardcore techie, you will love speaking with Rodrigo and losing yourself in low level technical stuff. As a manager, I'm sure you will find Rodrigo an asset to your team both as a team player and as a highly skilled engineer.”
September 18, 2007

[Sheran Gunasekera](#) , *Chief Technology Officer , Scanit Middle East*
was with another company when working with Rodrigo at IBM

“Rodrigo is by far one of the most skilled Information Technology professional that I personally know. Although his very deep knowledge about Operating System's internals, he can produce brilliant lines of code in almost all programming languages in the wild. I strongly recommend him for security audits of softwares, networks and whatever is related to Information Security. It will surely take no more than 10 minutes for him to find a security flaw in your Information System. Beyond all of these pros, I see Rodrigo as one of the heads in Information Security Research into the Brazilian Market. I also had the experience of organizing a Security Conference called H2HC with Rodrigo for a few years and what I could notice is that regardless of his age (at that time only 22) he is very compromised with results, mature and responsible. I would easily hire him to conduct Information Security Research, Vuln-Dev, Pen-Tests, Security Audits, Software Engineering and Reverse Engineering.” September 8, 2007

[Domingo Montanaro](#) , *Coordenador de Segurança , UNIBANCO*
was with another company when working with Rodrigo at IBM

“Rodrigo is an outstanding developer with a lot of knowledge and experience. He is requested frequently to help in various projects. He is also a very talkative person with a very good interpersonal relationship. I really recommend him.” September 3, 2007

[Andre Macedo](#) , *Software Engineer , IBM*
worked directly with Rodrigo at IBM

“Rodrigo is one of the best guys on computer and network security. He also knows how to talk with customers. He has been developing an outstanding job on both areas at IBM Linux Technology Center.” August 31, 2007

[Murillo Bernardes](#) , *Staff Software Engineer , IBM*
worked with Rodrigo at IBM

“Rodrigo is a highly skilled and intelligent person. He has a very strong technical base involving Unix/Linux systems, Kernel and specialty systems and network security in a general way. He thinks quickly and creatively to solve complex issues, learns new technologies fast and always delivers on schedule.” August 29, 2007

[Luis Machado](#) , *Software Engineer , IBM*
worked directly with Rodrigo at IBM

“Rodrigo has an outstanding expertise in computer and network security, and his technical knowledge in Linux environment is amazing. Rodrigo has done an excellent job in the ALRT-Advanced Linux Response Team in the IBM LTC-Linux Technology Center.” August 6, 2007

[Nuncio Natrielli Jr.](#) , *Linux Center of Competence Team Leader, IBM Experience Coordinator & IBM Innovation Center Manager , IBM*
worked with Rodrigo at IBM

“Rodrigo is one of the best software engineers I've worked with. He has a vast technical background and is one of the best computer security specialists I've ever known.” August 4, 2007

Carlos Eduardo Seo , *Software Engineer , IBM*
worked directly with Rodrigo at IBM

“Rodrigo is a very competent technical guy who balance technical knowledge with a strong partnership characteristic” August 1, 2007

Cezar Taurion , *managing consultant , IBM*
worked with Rodrigo at IBM

“Rodrigo's technical knowledge in Linux in particular and Unix in general (both low level such as kernel internals and high level such as server workloads) and computer security is impressive. He also shows a high level of commitment to his work and passion in learning and researching in his field of work, which makes him stand out and obtain a high level of recognition in the groups he works with.”
July 30, 2007

Thiago Bauermann , *Software Engineer , IBM*
worked directly with Rodrigo at IBM

“I've been working in the same department as Rodrigo and he's definitely the most capable person in the area of computer and network security I've worked with. Besides that he's always willing to share his knowledge and has an easy to deal with personality.” July 30, 2007

Eduardo Fleury , *Software Engineer , IBM*
worked with Rodrigo at IBM

“Rodrigo is an amazing hacker, a brilliant developer, with whom I could always count on for discussing complex problems for comprehension and finding solutions. I'd love the opportunity to work with him once again.” July 27, 2007

Glauber Costa , *Linux Developer at Linux Technology Center , IBM*
worked directly with Rodrigo at IBM

“Rodrigo is the best professional I know in the area of computer security. Not only has he a wide expertise in this area, but he's also someone who uses this expertise to look for and fix new security issues.” July 26, 2007

Rodrigo Ceron , *Staff Software Engineer , IBM Linux Technology Center*
worked directly with Rodrigo at IBM

“Rodrigo is a great developer. He has proved to be a leader while performing his functions and has skills to be a leader. His knowledge regarding computer security, low level languages and how he works with a team are his stronger points. I would recommend Rodrigo for any company.” July 26, 2007

Artur Souza , *Part time software developer , Linux Technology Center (LTC - IBM)*
worked with Rodrigo at IBM

Security Architect at Firewalls Security Corporation

“Rodrigo and I worked together for a number of years. From the beginning he demonstrated an excellent depth of knowledge in IT security, its impact on corporations, and future trends. His valuable information, insight and positive attitude helped us in positioning and selling our solution to critical clients. Rodrigo was and continues to be respected for his knowledge of IT security and is a tremendous value to any organization.” November 15, 2007

[Robert C. Freeman](#) , *Director of Sales Latin America & Caribbean* , *Aruba Networks*
was a consultant or contractor to Rodrigo at Firewalls Security Corporation

External Consultant at Cyclades

“Rodrigo is a professional with very high energy. He is a great specialist in security and Linux and also is a guy that has a good relationship with colleagues. I recommend.” November 14, 2007

Top qualities: Personable , Expert , High Integrity

[Rodolfo Gobbi](#)

hired Rodrigo as a IT Consultant in 2000 , and hired Rodrigo more than once

Student at Instituto Tecnológico da Aeronautica - ITA

“I had many opportunity of met him many years ago in a conference and kept close contact with him during the following years, about FOSS (Free and Open Source Software), Security and Hacking, always sharing experiences during our quick meetings in different conferences, trainings and Internet. He has a very good knowledge in every aspect of Linux systems, Unix and Security is a experienced analyst. He can solve any critical problem with the least downtime. I can definitely recommend his work” January 25, 2009

[Sandro Melo](#) , *User FOSS* , *Movimento Software Livre - PR*

studied with Rodrigo at Instituto Tecnológico da Aeronautica - ITA