Renaud Waldura

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e x p e r i e n c e

Senior Software Engineer
Zero G Software
San Francisco, CA
January 2001 — present

- Senior member of a team of five Java engineers developing PowerUpdate, a distributed cross-platform application for remote software updating and delivery.
- Develop MVC "model 2" Web application with Jakarta Struts (Java Server Pages, servlets, Java Beans, JDBC).
- Promote and apply best practices: design patterns, UML, design by contract, J2EE technologies, open source software.
- Implement eXtreme Programming: continuous integration, unit tests, pair programming, simplicity first.

J2EE Consultant
Ligos Technology
San Francisco, CA
June 2000 — December 2001

- Advised on development and deployment of Web applications.
- Developed J2EE applications with JSP, Java servlets, JDBC.
- Recommended and implemented security solutions.
- Published articles and documentation about open-source projects (FreeBSD, Apache).

Lead Architect & Developer
Ligos Technology
San Francisco, CA
September 1997 — September 1999

- Designed and developed a complete e-commerce system including secure ordering, online payment and delivery, back-end system for order tracking (Perl, SQL).
- Addressed security issues: built firewall, wrote security policy, secured internal and external networks.

System Administrator
Softway International, Inc.
San Francisco, CA
April 1996 — April 1997

- Administered company's computer systems (5 UNIX and Windows NT servers, 25 Windows 95/98 desktops) and networks (Ethernet, ISDN, PPP, TCP/IP).
- Webmaster for corporate site and various non-profit sites hosted on Softway's systems.

R&D Software Engineer
Global Concept Finance SA
Sophia Antipolis, France
September 1995 — April 1996

- Researched a new model of distributed computation for financial applications, based on mobile software agents.
- Implemented prototype in Java (JDK 1.0 *alpha*); tested in lab, and at potential client sites.
- Recommended hardware and software to be used for deployment.

e d u c a t i o n

1996 — **Master's Degree in Software Engineering**, Distributed Systems and Applications
ESSI (Superior School in Computer Science), Sophia Antipolis, France.

1993 — **Bachelor's Degree**, Mathematics and Physics
University of La Rochelle, France

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s k i l l s

- 6 years of experience engineering quality software in different languages, for various platforms.
- 3 years of experience administering high-availability systems and heterogeneous networks.

PROGRAMMING LANGUAGES

Java, JavaScript	3 years experience
Perl	5 years
SQL	2 years
C, C++	2 years
Ada, Pascal	1 year
Unix shell, sed, awk	7 years
Tcl/Tk, Visual Basic	3 months

OPERATING SYSTEMS

UNIX – *BSD, Linux, Solaris, AIX, Irix
    5 years administration experience

Microsoft Windows NT 4.0, Microsoft Windows 95/98
    3 years administration experience

OTHERS

- J2EE: Java Server Pages, Java servlets, Enterprise Java Beans, Java Beans, JDBC, JCE, JMX, JavaMail, etc.
- Computer and information security: firewalls, cryptography, Intrusion Detection Systems.
- BSD sockets programming, UNIX systems programming.

m i s c

- Strong team player, also capable of working independently.

- Pragmatic, detail-oriented and always on the lookout for simple solutions.

- Actively keep abreast of current practices and technologies, look ahead to future ones.

- Follow and participate in open-source projects (Jakarta, JBoss, Apache, FreeBSD, etc.)

- Bilingual English-French, "green card" holder.

- Professional member of the Association for Computing Machinery.