

Alex Petit-Bianco

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Manager/Architect/Senior Software Engineer – Enterprise/Client Services/Software Solutions Linux and Open Source Solutions Expert

I have 15 years of experience in the field of Information Technology, with emphasis on enterprise and client services, design and implementation of software solutions for servers and appliances, setup and management of offshoring initiatives. This experience was gathered working in the United States, China and France; and is backed by solid records as a contributor to the Open Source community. I thrive in fast-paced and delocalized environments and will contribute years of demonstrable international experience to the growth of organizations. I am open to Management, Architect and Senior Software Engineer positions; covering Europe and the rest of the World.

2007-: Senior Software Engineer. Postini/Google, France/California – Participated in iterations of our message security solution for massive cluster deployment, contributing to the success of Postini/Google's Enterprise Service Business Unit:

- SPAM and security threats identification and containment.
- Extension and enhancement of our threats detection abilities.
- Handling escalation of enterprise customer issues.

2005-2007: General Manager. Resilience Corporation, China - Grew the Chinese development center from 1 to 23 employees in three divisions over 12 months, and brought to market three new security appliances to contribute to our growth and diversification plan.

- Engineering/QA/RMA center development: promoting, hiring and training. Facilities setup and growth planning.
- Project management: high availability platform developments, security applications integration and test.
- Customer facing activities: promotional speaking engagement with security partners, OEM deals technical negotiations.

2002-2005: Senior Software Engineer. Resilience Corporation, California - Implemented, supported and improved 6 major revisions of a Check Point Firewall-1/VPN-1 integration on 3 different hardware platforms. It is the company's most significant revenue generator.

- Design, implementation, integration and documentation of software subsystems for a Red Hat Linux based high availability platform. Integration with industry leading security applications.
- Process development and documentation, execution analysis, project post-mortems and recommendation for improvements.

1997-2002: Senior Software Engineer. Cygnus Solutions/Red Hat, California - Helped design, implement and promote the GCC based Java native compiler, which generated revenues through contract development for the embedded system industry. It was the first Java native compiler available on IA64. It is now found in all major Linux distributions.

- Design and development of products, contract based development and support services: GnuPro platform (Toshiba, Nortel, Intel, IBM), Code Fusion IDE, port/test of RedHat Linux distribution on AS/400, s390 and Compaq/Alpha.
- Design assistance and implementation of GCJ, a native Java compiler, based on Gcc. Integration with several releases of the GNU Compiler Suite. Free Software Foundation maintainer (1999 to 2002). Integration with other Open Source Java projects.

1995-1997: Software R&D Engineer. Silvaco International, California - Sole designer and developer of a portable execution environment bundled with a variety of the company's products to provide customization and extensibility.

- Design and implementation of a development environment for interpreted C (compiler, VM and debugger) featuring C++ extensions, dynamic native interface and built-in multi-threading support.

1992-1995: Software engineer. Anacad/Mentor Graphics, Grenoble – Helped deliver VHDL-A, one of the first analog VHDL (standardization IEEE 1076.1) simulation environment; integrated with analog simulation engines from Mentor Graphics and Anacad, allowing the simulation of mixed (analog and digital) circuits.

1988-1991: University of Paris 8 - MS and University Engineering degree with emphasis on AI/AL.

Technical Skills:

Linux/Unix, C/C++, Shell, Perl (+CGI), Java, etc...
System configuration/management. IP networks

Sockets, threads, X11
Network security and security applications

Compilers and runtimes environment
System integration, Linux distros production, clustering