

Forest Wilkinson

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TECHNICAL SUMMARY

Languages: C, C++, SQL, PHP, HTML
Interfaces / Libraries: POSIX, STL, Boost, Apache, Postgres, Zend, Win32, ATL, COM, MFC
Operating Systems: Linux, BSD, Unix, Windows, MacOS

RECENT PROFESSIONAL EXPERIENCE

Senior Developer
1999-2002

Venture Technology
San Francisco, California

- Developed C++ server code and database schema for customizable electronic commerce system, supporting multiple shops, languages, and currencies.
- Created electronic commerce programming interface for PHP scripting language, allowing rapid development of on-line shopping applications.
- Implemented secure session management extension in C for Apache web server.
- Created modular payment processing library, including modules for VeriSign and CyberSource credit card services.
- Developed PostgreSQL database server extension in C to generate 64-bit keys, bypassing 32-bit sequence limit.
- Debugged and restructured multithreaded internet mail server, making previously unstable system suitable for production environment.
- Extended Internet Explorer to support web link sharing among on-line community users.
- Reported directly to chief operating officer. Non-programming responsibilities included management of programming team, group task prioritization, project design.

Software Engineer
1997-1999

Dagmar Ate Tokyo
Walnut Creek, California

- Developed network-aware rights management system, enforcing access restrictions and ensuring continued revenue from subscription-based products.
- Developed asynchronous network interface library for non-preemptive multitasking environments, preserving UI responsiveness during network operations.
- Designed self-correcting software registration key system, minimizing telephone support time caused by common typos and verbal mistakes.
- Automated legacy interactive publishing tools, freeing production personnel for other tasks.
- Debugged network protocol implementations through raw packet analysis.
- Developed mixing audio driver, allowing multiple applications to share single sound device.

Programmer / Analyst
1992-1997

Research Institute of America
Concord, California / New York, New York

- Developed software access control and subscription tracking systems.
- Designed security APIs for hypertext document retrieval software.
- Reverse-engineered data file formats, and developed utilities for manipulating them.
- Ported applications between various Unix implementations.
- Conducted training sessions and wrote manual for security software configuration procedures.
- Managed programming and testing departments during manager absence.

EDUCATION

Honor student, computer science major
1990-1992

Laney College
Oakland, California

(Revised January 2003)