
PAUL C. PERRET III

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An accomplished and consistently highly-rated Software Engineer specializing in embedded Real-Time system applications design and implementation with extensive experience in the full software development lifecycle including requirements analysis, prototyping, design, implementation, testing, and maintenance.

SUMMARY OF QUALIFICATIONS

- Eight years experience in software development for a large multi-national telecommunications corporation.
- Experience in requirements analysis and detailed design specifications using design and simulation tools such as Rational Rose and Telelogic Tau.
- Experience with software development processes such as Peer Reviews and Fagan inspections, and Software Configuration Management tools such as Clearcase/Clearquest.
- Experience in system- and sub-system-level integration involving collaboration and coordination between multiple teams and products

TECHNICAL EXPERTISE

Languages: C, C++, Perl, Tcl/Tk Expect, Bash scripting, XML, HTML

Software Tools: Clearcase, Clearquest, Concurrent Versions System (CVS), WindRiver Tornado, Telelogic Tau, DOORS, Adobe Framemaker, Word, Excel, PowerPoint

Concepts: Object-Oriented design and programming, UDP and TCP/IP Networking, Real-Time systems development and integration, Advanced Telecom Computing Architecture (ATCA) and Hardware Platform Interface (HPI)

Operating Systems: Windows (95, 98, 2000, NT, XP), UNIX, Linux, VxWorks Real-Time OS, Montavista Carrier-Grade Linux

PROFESSIONAL EXPERIENCE

Motorola Inc., Fort Worth, TX

Senior Software Engineer

2000 – Present

Designed, implemented, tested, and integrated software for multiple releases of several Third-Generation (3G) Cellular Infrastructure products utilizing embedded Real-Time operating systems such as VxWorks and Montavista Carrier-Grade Linux.

- Implemented framework software applications to prototype performance on beta hardware at onset of projects, provided training to development team for initial coding phase after prototyping was complete
- Designed, implemented, and tested platform- and fault-management software
- Communicated and drove issue resolution between development teams and multiple vendors
- Provided on-site customer support for systems Beta testing, first commercial use, and field issues

Motorola Inc., Schaumburg, IL

Software Engineering Summer Intern

1999

Developed a test tool application to filter and trace data packets as they pass through a specialized network gateway. Quickly came up to speed on the specifications of the system, designed, developed, and tested the application as part of a Summer Internship program.

Stennis Space Center, MS

Software Engineering Summer Intern

1998

Established internal online documentation for office intranet. Responsibilities included organizing the structure of the site and editing layout of documents.

EDUCATION

Tulane University School of Engineering, New Orleans, LA

B.S.E. Computer Engineering, Magna Cum Laude with Departmental Honors, May 2000

Recipient of Engineering Honor Scholarship

Member of Tau Beta Pi Engineering Honor Society