

Anthony Paul Bertrand

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Professional Objective

To obtain a rewarding and challenging Software Development position with a forward thinking organization offering a dynamic work environment.

Employment History

Software Engineer

Motorola (Schaumburg, IL)

June 2000–December 2005

Projects:

- Configuration/Resource Management: Designed and implemented solutions for configuration and fault management using the SNMP protocol in mission-critical trunked radio systems
- Software Configuration Management: Defined rules and processes using Clearcase to aid in managing and sharing the documentation and code for large-scale projects across various platforms
- Target Machine Administrator: Responsible for the hardware and networking of two labs consisting of more than 50 machines including routers, switches, and varied operating systems
- Packet Dissection: Leveraged open-source software (ethereal) and created dissectors for proprietary protocols to aid in debugging
- Architected solution utilizing XML/XSLT to manage interface information and generate multiple deliverables from a single repository resulting in reduction in defects, cycle-time, maintenance overhead and engineering effort
- Implemented modifications to the highest priority real-time System Initialization and Monitoring Task of the Zone Controller product to use a watchdog mechanism, timers and shared memory to monitor the statuses of all application tasks
- System tested Astro LE system including characterizing anomalies in expected behaviour and aiding box teams in working towards solutions
- Performance tested various load scenarios of the Zone Controller and implemented solution to decrease the time required to collect metrics
- Mentored new engineers on both the Zone Controller and Site Controller product lines
- Trained engineers both nationally and internationally on configuration management and the Site and Zone Controller products
- Modified internal proprietary protocol to implement link throttling and NACK enhancements
- Actively participated in the Local Steering Committee to suggest, evaluate, implement and recommend process improvements
- Worked on the Build Continuous Improvement team to enhance the software build environment

Achievements:

- Achieved SEI Level 4 in 2004 and SEI Level 5 in 2005 as Software Configuration Management coordinator

Education

BSE in Computer Engineering, September 1996–May 2000. Graduated magna cum laude Dean's list in May 1998 and December 1999 Class honors in March 2000

University of Michigan -- Ann Arbor

Overall GPA: 3.540 out of 4.000

Special Skills

Languages: C/C++ Programming (9 years), Perl (6 years), shell (6 years), Java (6 years), XML (2 years), OOD/OOP (3 years), Clearcase (5 years).

Interests

- Operating Systems
- Compilers

- Programming Languages
- Athletics
Soccer, tennis, basketball, running, climbing, cycling

References

Available upon request.