

Kyle Alexander

Summary

Self-motivated **Software Quality Engineer** and **Web Application Developer** with experience working with web technologies. Team player who enjoys challenges, and works well under pressure. Takes pride in producing quality results on schedule.

Technical Skills

- **Programming Languages:** Java, C, C++, Perl, Unix Shell Script, XML / XSL, SQL, HTML, Active Server Pages, JSP / Servlets, Oracle, J2EE, JavaScript, VBScript
- **Operating Systems:** Windows (3.x, 98, NT, 2000, 2003 Server, XP), Linux (Red Hat, SuSe, Mandrake, Debian), BSD, Solaris (8, 9), AIX (4.3.3, 5.1), HP-UX 11
- **Servers:** Apache, Sun ONE Web Server, Sun ONE Application Server, Sun ONE ASP Server, Microsoft IIS, Tomcat
- **Databases:** MySQL, Oracle, Pointbase, Access, FileMaker, DataBase Professional
- **Applications:** Microsoft Visual J++, Microsoft Visual C++, Sun Java Studio Developer Pack, CVS
- **Other:** Make, ANT, ODBC, SNMP, JNDI, JDBC, Caching Protocols (ICP, CARP, WCCP), Object Oriented Programming

Experience

April 2003 - May 2004 Sun Microsystems, Inc. Bellevue, WA
SunONE Web Tier Software Quality Engineer

- Designed, drafted, and implemented Test Plans, Test Specifications, and Test Automation for Sun Java System Products (ASP Server, Web Server, and Proxy Server).
- Planned, prioritized, and led test development and automation for Search, Monitoring (SNMP), Java Naming and Directory Interface (JNDI), Java Database Connectivity (JDBC), Penetration Testing, and Caching Protocols (ICP, CARP, WCCP) of the Sun Java System products, resulting in an increase of product code coverage, and a reduction in testing time required due to test automation.
- Coordinated with product developers to resolve over 200 product development bugs found during test development.
- Coordinated with Web Tier QA team in India to resolve testing setup and execution issues to assure proper testing of Web Tier Products.

May 2002 - August 2002 Sun Microsystems, Inc. Bellevue, WA
SunONE (Chili!Soft) ASP QA Intern

- Provided development product testing of SunONE (Chili!Soft) ASP server and associated programs on all supported server platforms and operating systems.
- Assisted in reorganization and upgrade of QA testing lab.

2002 Purdue University Department of Computer Science
West Lafayette, IN

CS180 (Programming I) Lab Consultant

- Assisted CS180 (beginning) students with projects and Java programming questions.

2001 Center for Education and Research in Information
Assurance and Security (CERIAS) West Lafayette, IN

Undergraduate Research

- Investigated and analyzed Microsoft Windows CE and 802.11b wireless standards and implementations.

- Collaborated with researchers to discover weaknesses in wireless security.
- Published “ActiveSync, TCP/IP and 802.11b Wireless Vulnerabilities of WinCE-based PDAs” at WETICE 2002.
- Assisted in creating and yielding a presentation of WinCE vulnerabilities to the Security Program Manager and the QA Manager at Microsoft in Redmond, WA.

Education

1998-2002 Purdue University West Lafayette, IN

- B.S. in Computer Science
- Graduation: December 2002
- GPA: 3.14
- Minors: Psychology, Music Theory
- Courses: Programming I/II, Computer Architecture, Data Structures, Numerical Analysis, Compilers, Information Systems, Operating Systems, Algorithms, Computer Networking, Computer Security

Academic/Personal Achievements

Purdue “All-American” Marching Band

- Student Officer Corps Supply Officer – Maintained and Distributed University equipment as necessary for the Purdue University Bands

Kappa Kappa Psi, National Honorary Band Service Fraternity, Gamma Pi Chapter

- Activities Committee Head – Fall 1999 & Fall 2001
- Recording Secretary – Spring & Fall 2000
- 1st Vice President – Spring 2001
- President – Spring & Fall 2002

Graduated Salutatorian, South Decatur High School 1998

Oasis Café employee during school terms from 2000 – 2002

Valeo Engine Cooling employee during summer of 2000

Printpack, Inc. labels and samples coordinator during summers of 1998, 1999

- Led in upgrading company’s shipping label software and hardware, as well as new label design.
- Closely interacted with customer service representatives to provide quality samples for both existing and potential customers of Printpack, Inc.