

F. Grahame Murray

Home: 919.828.9879
 Raleigh, NC 27604 Email: jobs@grahame.com Web: http://www.grahame.com/

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KEYWORD SUMMARY

Java, J2EE, Servlets, XML, XSLT, JSP, JSTL, PHP, HTML, AJAX, Javascript, DHTML, SQL, PERL, CGI

OBJECTIVE

I am looking for a full-time position as a senior software engineer, designing and developing challenging, interesting, and dynamic web applications.

HIGHLIGHTS

- 8+ years software development and design experience
- Product development and consulting experience
- Depth in educational and community projects

CORE COMPETENCIES

- Java webapplication development on mainstream application servers
- Application design and modeling
- Presentation layer coding and scripting (HTML, JSP, PHP, DHTML, XSLT, JavaScript, AJAX, PERL, ColdFusion)

EXPERIENCE

Senior Software Engineer & Technical Lead BBH Media Raleigh, NC

September 2002 - Present

- Architected, designed, and developed a scalable, clustered, high-availability, J2EE-based content authoring and management system using JBoss, Hibernate, JSP 2.0, XSLT, and MS SQL
- Developed custom content management system using JBoss, EJB, Struts, Velocity, JSP +JSTL, and Postgresql
- Made heavy use of DHTML and JavaScript for both front-facing and internal applications, including remote scripting and AJAX
- Built and extended a custom PHP-based CMS system for e-zine publication
- Wrote functional, integration, and unit tests
- Administered CruiseControl continuous build system
- Documented requirements for outsourced projects
- Designed and built internal web applications to automate internal business functions, such as content publishing, indexing, and search
- Built international, multi-currency money management system, including automated thirty-party import and international credit card processing
- Created and maintained PHP and PERL scripts for website management and content validation
- Ported and rewrote legacy PERL scripts with more robust PHP scripts, also adding new site features such as pagination
- De facto Linux and Windows system administrator

PROJECTS:
 J2EE Content Management System
 PHP E-Zine CMS
 Multi-currency Payment Processing System
 Public PHP & PERL scripts

Lead Engineer Sun Microsystems Menlo Park, CA

May 2002 - September 2002

- Led engineering effort for devCK, Developer Community Knowledge project
- Main developer for reimplementation of JCP site, tasks included:
- Redesigning the entire DB schema, as well as creating object-relational mapping
- Porting and upgrading the administrative site from old Vignette TCL to the new Java platform
- Rebuilding the public website from JSP (Model 2) site to MVC, as well as using the new data model

PROJECTS:
 Java Community Process
 Developer Community Knowledge

Java Engineer James Irvine Foundation San Francisco, CA

September 2001 - January 2002

- Independently contracted with the James Irvine Foundation to complete Coral Connect project.
- Designed and implemented message boards, file storage, address book, and other interactive services of the project using Arsdigita Community System, XML, XSL, and Oracle 8i.
- Configured qmail, Courier IMAP, JWMA Web mail, and ACS for Java on Solaris 2.8 for custom integrated webmail feature.

PROJECTS:
 Coral Connect

Java Systems Engineer

Liquid Thinking

San Francisco, CA

March 2001 - September 2001

- Designed and implemented binary parsing, scoring, and other educational algorithms for an interactive educational product using Rational Rose and ATG Dynamo 4.5.
- Architected and designed file system integration for intranet using Arsdigita Community System 4.6, XML, and XSL.
- Implemented product family parametric search for Cypress Semiconductor using JavaScript, PERL, and ColdFusion.
- Led Quality Assurance effort for Certicom site redesign using Logigear TrackGear.
- Began work on CoralConnect but entire team was then down-sized (finished at subsequent position with James Irvine Foundation)

PROJECTS:
Leap Track
Cypress Semiconductor
Certicom
Coral Connect

Software Engineer

SRI International

Menlo Park, CA

June 1999 - February 2001

- Architected and implemented many web applications, online surveys, and web assessments using Java Servlets, JSPs, XML, and MySQL databases.
- Designed and coded various reusable frameworks, from survey tools to database abstraction layers.
- Co-developed and designed ChemSense, a Java-based Knowledge Building Environment for high-school chemistry students.
- Built CILT Knowledge Network and affiliated web sites, and single sign-on framework in Cold Fusion and MySQL on Linux.
- Designed and authored TeamLab, a Palm Pilot-based open-ended assessment application, desktop conduit, and website that supports off-line data collection and on-line statistical analysis.
- Helped port URLeX from Python code to Java.
- Implemented Instructional Metadata IMS Metadata XML Generator tool, on a contract for Sun Microsystems

PROJECTS:
TeamLab
ChemSense
CILT KN
URLeX
LOM-IMS XML Toolkit

Student Associate

United Parcel Service

Timonium, MD

September 1998 - December 1998

- Maintenance of CGI-based commerce and support application
- HTML coding

Software Engineer Intern

SRI International

Menlo Park, CA

June 1998 - August 1998

- TAPestry java applet maintenance and enhancements for TappedIn, an online community of educators.
- Extended functionality of URLeX, an online community and web-based bookmark management web application, written in Python and Javascript.

PROJECTS:
TappedIn
URLeX

COMPUTER SKILLS

Computer Languages:

Java, JSP & JSTL/EL, XML, PHP, DHTML & XHTML, Groovy, XSLT & FO/P, PERL, Javascript, bash, Python, Velocity, i18n, C, C++, ColdFusion, Lisp, MIPS assembly, InstallShield Script

Databases:

MySQL, MS SQL, PostgreSQL, Oracle, DB2, Solid, FileMaker Pro, mSQL, Access

Application Servers:

JBoss, Tomcat, Resin, ColdFusion, Vignette, ATG Dynamo, Arsdigita ACS, ServletExec

Dev Environments/Tools/Frameworks

IntelliJ IDEA, Eclipse, NetBeans, Visual Studio, CodeWarrior, JBuilder
Visual Paradigm, Rational Rose, Poseidon, Argo UML
CVS, Perforce, SVN, SCCS, RCS
Eventum, JIRA, Bugzilla, TrackGear
InstallShield, NSIS
Emacs, VI
GNU tools, Cygwin
Ant, CruiseControl, Maven, Make
JUnit, Cactus, Corbetura, EasyMock, JMock, TestNG
JMeter, Selenium, JProbe
Lucene, Verity
Hibernate, JPA, EJB, OJB
Struts, Grails, SpringMVC, BeboP
VMWare Desktop/Server
JBossMQ

Jabberd, Openfire
Spring
AspectJ, JBossAOP

OSes:

Windows XP/2000/NT, Linux, MacOS, Solaris, PalmOS, BSD, SunOS

PUBLICATIONS

Disambiguating Drag-and-Drop: The Click-and-Fill alternative to managing hierarchies

I explained my implementation of a new "Drag and Drop" like interface

Published: CHI 2000 Conference Proceedings, April 6, 2000

Workpad + Palm Series Powered Pack 2000 Edition

My software was written up, rated, and included on accompanying CD-ROM

Published: ASCII Corp., March 10, 2000

Language: Japanese

Workpad + Palm Series Powered Pack

My software was written up, rated, and included on accompanying CD-ROM

Published: ASCII Corp., June 11, 1999

Language: Japanese

EDUCATION

1995 - 2000

Goucher College Towson, MD

BA in Computer Science

Courses in Java, LISP, Graphics, AI, Assembly, Software Engineering, Algorithms, HW Architecture, and Computation

Summers 1994 - 1997

University of Delaware Newark, DE

Graduate & undergraduate courses in C, C++, compiler design, computer graphics and multimedia design.

REFERENCES

Available upon request