

J. Christopher Bare

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Summary: Software Developer with 10+ years professional experience. Specializing in building object oriented web, enterprise, and GUI applications. Strong logical, analytical, and problem-solving skills. Quick and enthusiastic learner. Skilled in software design, design patterns, refactoring, and modern development practices.

Software Development Skills:

Primary Skills: Object-Oriented Analysis, Design, and Programming, Java, J2EE, SQL, HTML.

Other Experience: Swing, JSP, Servlets, EJBs, Struts, CVS, Perforce, Ant, JUnit, JavaDoc, UML, Apache, Tomcat, JBoss, WebLogic, MS-Windows, GNU/Linux, Solaris, C++, C, Perl, Python, Scheme, XML, XSLT, Javascript, Visual Basic, ASP, Unix Shell Scripting, Relational Database Design, JDBC, Oracle, MySql, SQL Server, 6502 Assembler.

Professional Experience:

Mar. 2004 -
Present

Software Developer, Freelance and Contract

- Consulted and developed for Java and PHP based projects.
- Coursework in Mathematics and Computer Science.
- Self directed learning in Java, Hibernate, Python, and Scheme.

Aug. 2003 -
Feb. 2004

Amgen, Thousand Oaks, CA Contract Software Developer

- Developed GUI client application which allowed researchers to define experimental protocols using a controlled vocabulary.
- Used Swing to create a rich client communicating with middle tier components consisting of EJBs deployed on JBoss.
- Wrote documentation, unit tests, and Ant build scripts.
- Wrote, tested, and documented shell and Perl scripts for database maintenance.

Sept. 2000 -
Aug. 2002

PeopleLink, Santa Monica, CA
Senior Java Developer

- Served as Technical Lead, mentored junior developers, and assisted Project Managers with requirements, specifications, scheduling, and documentation.
- Refactored existing software to Model-View-Controller architecture increasing maintainability and cleanly separating domain logic and display concerns.
- Architected, designed, and coded online community applications in Java using JSPs, JDBC, SQL and XML.
- Co-wrote a data abstraction layer to support multiple database engines (Oracle8i and DB2).
- Wrote test cases using the JUnit testing framework. Assisted in load testing of web applications.
- Wrote build scripts using Ant.
- Managed source code repository using Perforce.

Jan. 2000 -
Jun. 2000

InGenuity Systems, San Jose, CA
Web Developer

- Contributed to team developing web applications in Java featuring a functional genomics knowledge base.
- Developed cross-browser UI elements using HTML, JavaScript, Java Applets, and CSS.
- Implemented white box unit test cases in Java.

Jun. 1999 -
Dec. 1999

Business Data Services (now Tallan), Costa Mesa, CA
Senior Consultant

- Developed Active Server Pages and VB COM objects for an e-commerce web site using SQL Server and Javascript.
- Wrote web applications using Perl, Mod_Perl, and Apache.

Jun. 1998 -
Mar. 1999

Around-the-World Travel

- Traveled to Spain, France, Italy, Greece, Turkey, Egypt, Thailand, Malaysia, Singapore, Australia, Fiji, Hawaii, and California.

Aug. 1995 -
Jun. 1998

Merck & Company, Inc., West Point, PA
Computer Programmer

- Wrote multimedia, client-server, and database applications using Visual Basic, C, and C++, deployed in Merck's sales force, at trade shows, and internally.
- Wrote a multimedia testing engine for sales training.
- Wrote intranet application in ASP for secure reporting of test results and statistics.

Sept. 1994 -
May 1995

Pennsylvania State University, University Park, PA
Computer Programmer / Research Assistant

- Wrote neural network simulation in C++.
- Prepared graphs and data analysis using Mathematica.
- Performed biological sequence analysis using BLAST and ClustalV.
- Wrote programs for data smoothing, curve fitting, and translating gene sequence file formats.

Oct. 1992 -
Jun. 1994

Hahnemann University Hospital, Philadelphia, PA
Computer Programmer / Assistant System Administrator

- Assisted in maintenance and programming of a medical research database containing clinical trials data.
- Wrote research applications in Pascal, C++, and Visual Basic.

Training:

Oct. 2004

Pacific Northwest Software Symposium

Oct. 2003

OOPSLA: ACM

Jun. 2003

Java One: Sun Microsystems

Fall 2002

Introduction to J2EE: UCLA Extension

Feb. 2002

Bioinformatics Technology Conference

Dec. 2001

Objects & Patterns Design Workshop

Fall 1997

Object Oriented Design: PSU Graduate Professional Studies

Education:

Jun. 2004 -
Present

University of Washington, Seattle, WA

Professional Master's Program (in progress), Computer Science

- Coursework in Mathematics, Artificial Intelligence, Transaction Processing, and Algorithms.

Jan. 2003 -
May 2003

California State University, Northridge, CA

- Coursework in Programming Languages, Theory of Computation, Operating Systems, and Number Theory.

Jun. 1989 -
Aug. 1992

Pennsylvania State University, University Park, PA
B.S. Mathematical Science, Minor Computer Science

- Graduate Level coursework in Algorithms, Neural Networks, and Object Oriented Design.
- Undergraduate coursework in Biology: Bio101, 102, Microbiology, Organic Chemistry, Molecular Biology, Genetics.