

Toby Gustafson

Tyrell Software Corporation

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Summary

Toby is a senior software developer who has mastered all aspects of the development process, including gathering requirements, feature implementation and enhancements, performance and tuning, and product testing.

Skills

Programming Languages: C, C++, HTML, Java, JavaScript, Python, UNIX Shell

Tools and Technologies: ASP, CVS, HP-UX, HTML, IBM AIX, IBM MQSeries, Java Servlets, Java Swing, JDBC, ODBC, Plone, RCS, SCCS, SCO, Sequent, SQL Server, Sun OS 4.x, UNIFY Accell, UNIX, WebObjects, Windows 95, Windows NT, XML, Zope

Proficiencies: Teaching

Experience **University of Riverside, Computer Science Department**

Toby continues to teach introductory and intermediate C++ programming classes for CS majors as well as introductory Computer Science classes for non-majors.

Family Vet, Inc.

Implementation of the Metadata Editor for the Family Vet application, an ambitious records-management system for a veterinarian's office using Java, Swing and WebObjects.

Chester County Intermediate Unit

Integrated available products for Plone to deliver a customized content management system. Completed the implementation of a preliminary open-source spell-checking interface for Plone.

Anderson Merchandisers

Development of a Plone-based CMS and public-facing web site that promotes upcoming In-Store Events in Wal-Mart stores. Designed and implemented custom Zope/CMF content types, cross-browser and cross-platform client-side JavaScripts, enhanced search functionality and caching enhancements that dramatically increased performance.

Experience continued

Chino Valley USD

Implemented import and export functionality to integrate Chino's existing school information system's data into their new Java and WebObjects-based test management and delivery applications.

Modern Postcard

Added features, fixed bugs, and made performance enhancements on web-based applications using WebObjects Application Server, Java, XML, and other web technologies.

PowerSchool SIS v3.0

Implemented custom scheduler reports for Apple's PowerSchool School Information System v3.0 Master Schedule Builder utilizing Java, Oracle, and PDF technologies.

Modified the application, which originally only worked with Oracle, to also work with SQL Server. Analyzed the application and made changes to significantly reduce its memory usage and increase response times.

Enhansiv

Used Java to enhance a telephony application. Areas specifically worked on included database communication using JDBC, state management and persistence of data. Also developed a chat application using Java Servlets.

Stamps.com

Developed a web site using Active Server Pages, JavaScript, DHTML. Also, integrated Microsoft's Internet Explorer web browser control into a Win32 application to provide web browsing capability.

BuyersEdge.com

Took part in the design, implementation, and deployment of a reverse-auction e-commerce web application. It was written in Java, using the WebObjects application server, Oracle, XML, and running on Windows NT and Solaris.

CME, Inc.

Added a web interface to an existing UNIX application using C, HTML, and JavaScript. Designed a revision control system, an ODBC interface for a Windows-NT application. Also designed IPC protocols for a UNIX application using message queues, sockets (Internet and UNIX domain), and IBM MQSeries. Various bug fixes, ports and enhancements for UNIX applications.

Education

University of California, Riverside, CA (1986-91)

Master of Science Degree in Computer Science (1991)

Bachelor of Science Degree in Computer Science (1990)

Graduated Cum Laude