David Castro

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Tool Proficiencies

Web Design ....Notepad++, CSS, Dreamweaver
Web Programming...Grails, Groovy, Java, JSP, Struts, JQuery, SmartClient
GUI Programming..Balsamiq, Foam, JFormDesigner, Delphi
Installers...NSIS and IzPack
Build Tools ....Ant
Multimedia Production ....Qarbon ViewletBuilder, Screencast-o-matic
Databases..MongoDB, MySQL

Experience

Atlas Technologies, Inc. 09/05–present

Create requirements specification process and format for United States Coast Guard's (USCG) Integrated Product Team (IPT). As part of the USCG IPT, create system design and screen layouts for features to be added to web-based applications using Balsamiq. Serve as project manager for two developers by assigning tasks, tracking task completion, and evaluating solutions created. Created a Grails-based, MySQL-backed application to generate stub XML files for an S1000D project, with a net savings of over 80 hours over manually creating those files. Converted User Guide from FrameMaker to XML using Arbortext Editor. Granted a Secret security clearance.

Isomorphic (consulting) July, 2010–October, 2011

Wrote the following guides from content provided by company CFO: SmartGWT Quick Start Guide, SmartClient Quick Start Guide (single-sourced from the same document as the SmartGWT equivalent), Setting up one-click deployment to Amazon Elastic Beanstalk, a SmartClient tutorial (finished but never released), and a Visual Builder tutorial (finished, but never released).

Cathedral of Praise (consulting) 2002–2006

Worked as the sole web application developer for the church, primarily developing database-backed Java and Grails applications for collecting information from and disseminating information to church members. The applications include a database of small groups (http://www.copsmallgroups.org), an activities calendar, and activity sign-up forms. All applications had a password-protected administrative component for non-tech-savvy church employees to make updates.

Modulant, Inc. 07/04–09/05

Software Development. Created layouts for dialog boxes using JFormDesigner, generated corresponding Java files, and incorporated them into the codebase. Created a prototype of a new management module for our application using JFormDesigner and Eclipse. **Release Management.** Created installers for our application using IzPack and NSIS. Took over build process and updated Ant script to shorten a process from three hours to one hour. Created process documentation for builds, tool installations, promoting an application from QA to Production servers, and patching a build. **Quality Assurance.** Revised regression testing document to shorten the process from four days to one and a half days. Performed regression tests on builds. **Project Management.** Introduced specifications into the development process, and created specs based on interviews with subject matter experts and programmers. According to developers, this cut re-work time by 50%.

Blackbaud 10/03–06/04

Maintained the SDK for a product and a guide that detailed how to work with the underlying database, which required knowledge of Visual Basic (VB), Visual Basic for Applications (VBA), general object-oriented programming principles, database concepts, and SQL.

CrossAccess Corporation 8/00–8/03

Developed a Java-based web application for the support portion of the company web site. Documented JDBC interface for mainframe databases.

Scheduling.com   12/99–8/00
  Developed a JSP infrastructure to enable the creation of documentation that was customized to serve
  different needs. Created a JSP tag library to make implementing JSP easier for writers who didn't know
  Java.

Synon Corporation/Sterling Software   5/97–11/99
  Wrote documentation for a computer-aided software engineering (CASE) tool, which had a highly-
  technical programming audience. Wrote a Java platform guide when documentation for Java was not as
  common as it is now.

Freelance Web Application Development   2000-present
  Developed several commercial web applications, including http://www.fancyk9s.com/ and
  http://www.earthrelics.com/.

Publications/Presentations

Charleston Java User Group   2011–2012
  May, 2012: Gave presentations on MongoDB

  September, 2011: Gave presentation on Isomorphic SmartClient

  May, 2011: Gave presentation on Groovy & Grails

GroovyMag Magazine   2012, 2010
  August, 2012: Wrote an article on using MongoDB with Grails to replace the EAV anti-pattern

  December, 2010: Wrote an article on using Amazon Web Services with Grails.

  July, 2010: Wrote an article on using Isomorphic SmartClient with Grails. I was subsequently
  contracted by Isomorphic to write several guides for them, as per the corresponding section earlier in
  this document.

Java Developer's Journal   April, 2005
  Published an article about the dotJ tag library, which I used for several years. This article is available at
  http://java.sys-con.com/node/49098. In it, I detailed the various features of the tag library, and the
  experience that I had using them.

WinWriters Presentations   2002
  August, 2002: Presented at a WinWriter's Conference on using a database back-end for documentation
  delivered over the web. Provided interactive online tutorial for participants of the conference to try on
  their own: http://jsp.davidcastro.com/winwriters/index.jsp.

  February, 2002: Presented at a WinWriter's Conference on using JavaServer Pages to enhance online
  documentation.

Society for Technical Communication (STC) Publication/Presentations   2001/2002
  Presented to the Research Triangle Park STC Online Information Special Interest Group in September,
  2001, on the topic of using JavaServer Pages to enhance online documentation. Presented the same
  topic to the Lowcountry chapter of STC in December, 2002.

  Wrote an article on using JavaServer Pages to enhance online documentation for the Autumn 2001
  issue of Hyperviews:Online, a newsletter for the International STC Online Information Special Interest
  Group, which has a circulation of 5,400. http://www.stcsig.org/oi/hyperviews/archive/01Fall.

Education

San Francisco State University, College of Charleston, UC Berkeley Extension Online, Sonoma State University

Graduated with a Bachelor of Arts in Technical & Professional Writing. Completed classes in general computer science, database design, Java, computer security, and computer organization and assembly language programming between 1997 and 2004.