

Michael Hugo

mike@piragua.com
Cell: 612-669-8856
<http://www.piragua.com>

Skills

Rapid Software Development
Web Application Development
Automated Testing

Data Modeling
User Interface Design
Configuration Management

Leadership
Mentoring
Training

Technologies/Tools

Groovy and Grails	GSP, Domain Classes, Controllers, Services, GORM, Closures, Validation, Tag Libraries, Dynamic Methods, GANT scripts, Testing, Plugins, Quartz Jobs
Java	Hibernate, Spring, Spring MVC JSP/Servlets, JDBC, Swing, Beans, JMS, Apache Commons, Velocity, Struts, Tiles, Ant, Apache Axis, XDoclet, DisplayTag
Application Servers	Tomcat, WebLogic, WebSphere, JBoss, Apache
XML	SOAP, XSD, XSLT, WSDL, DTD, XML Beans
Automated Testing Tools	Hudson, CruiseControl, Junit, HttpUnit, DBunit, Cobertura, Grinder
Databases	IntelliJ, Eclipse, TextMate, Subversion, Git, CVS, Rational ClearCase, Confluence, JIRA, Rational ClearQuest, Microsoft Office, Visio, HTML
	Oracle, DB2, MySql, Postgres, Hypersonic, PointBase

Experience

07/09 – 10/09, regreet, Minneapolis, MN

- Groovy / Grails Web Programmer for a tracking application (<http://regreet.com/track>)
 - Designed and developed a Grails based web application for tracking recycled greeting cards as they travel across the world
 - Integrated with Google Maps API for geocoding and displaying cards on an interactive map
 - Developed administrative site for generating reports on site usage, managing users and tracking cards
 - Designed and implemented a system for generating unique codes for tracking
 - Installed and configured a PHP based content management system for content driven portion of the website
 - Installed and configured an off the shelf e-commerce solution for online purchases. Customized the store, integrated user login with tracking application and configured PayPal as a payment processor
 - Configured and deployed application onto a Linux server slice running MySQL, Apache and Tomcat
 - Integrated Google Analytics for tracking traffic to the site and performed usage analysis to improve conversions in the online store

03/09 – Present, WhenWorksForYou.com, Minneapolis, MN

- Founder and Principal Engineer of a public event planning/schedule coordination website (<http://whenworksforyou.com>)
 - Refined concept and built application from scratch using Groovy and Grails
 - Coded all aspects of application including Domain, Controllers, Services, GSPs, CSS, Javascript, and AJAX
 - Performed usability testing prior to deployment and continuously and as new features undergo development
 - Installed and configured several Grails plugins including Spring Security, UI Performance, Mail, Recaptcha, Build Test Data, Code Coverage and others
 - Configured and deployed application onto a Linux server slice running MySQL and Tomcat
 - Implemented functional regression test suite using Selenium Remote Control for testing cross browser and cross platform
 - Integrated Google Analytics, AdSense and Adwords for tracking and driving traffic to the site

01/09 – 10/09, Quantum Retail, Minneapolis, MN

- Java, Groovy and Grails Developer for a web based application utilized by retail companies to plan range and space for product assortments
 - Built Controllers and GSP views/templates with rich functionality using Ajax (Prototype)
 - Coded and tested Java/Hibernate annotated domain classes, criteria and complex queries
 - Refactored application into modular Grails plugins for better reuse and potential upgradability for independent deployments at different clients
 - Configured Spring beans using both XML and Groovy DSL
 - Coded Grails unit and integration and Java unit tests for all components of the application
 - Implemented an automated functional test suite using Selenium Remote Control test scripts written in Groovy
 - Integrated Groovy into existing Java project for unit testing purposes
 - Participated in iteration planning and story estimation

12/07 – 01/09, Boundary Medical, Eden Prairie, MN

- Groovy and Grails Developer for a web based application providing the ability to create, manage, and collect data for clinical studies
 - Coded and tested Grails domain classes, constraints and associations for the object model of the application; Utilized GORM for persistence and retrieval of objects from the database
 - Coded GSP views for displaying content and accepting user input; utilized Ajax technologies for a rich user interface
 - Coded several tag libraries to allow the reuse of common code and improved testability of views
 - Coded Grails unit and integration tests for all components of the application
 - Implemented an automated functional test suite using Selenium test scripts
 - Wrote a Grails plugin and GANT scripts to facilitate database schema migrations
 - Fixed system bugs and worked closely with business analysts to define enhancements to the system

11/08 – Creator of the Grails Test-Template Plugin

- Created a plugin that generates unit tests for controllers generated by Grails. The plugin provides a template for 100% code coverage of the controller and also stubs out test methods for domain class constraints. More information available at <http://www.grails.org/TestTemplate+Plugin>

02/08 – Creator of the Grails Code Coverage Plugin

- Built a plugin that makes it easy to analyze the amount test code coverage of a Grails application using Cobertura. Open source and freely available from the Plugins section at <http://grails.org>

6/07 – 11/07, Carol.com, Plymouth, MN

- Groovy and Grails Developer for a web based application providing consumers the opportunity to shop and compare health care product and service offerings online
 - Coded and tested Grails domain classes, constraints and associations for the object model of the application; Utilized GORM for persistence and retrieval of objects from the database
 - Coded HTML and XML views for displaying content and accepting user input
 - Coded several tag libraries to allow the reuse of common code and improved testability of views
 - Coded several transactional Service classes for complex persistence logic and communication with external applications
 - Created a simple Grails plugins to inject dynamic methods into domain classes
 - Integrated Java frameworks such as iText for automated PDF generation and POI for parsing of uploaded MS Excel files.
 - Worked with the Acegi Security Framework to lock down parts of the application based on user roles
 - Created custom Gant scripts for automation of commonly executed commands and integration with CruiseControl for continuous integration
 - Created Adobe Flex user interface components for consumer facing website
 - Worked closely with business owners to define and develop functionality based on “stories” in one week iterations
 - Mentored team members new to Groovy on Grails regarding basics of the framework, best practices, and unit testing

- Contributor to the development team Wiki for basic system documentation, tips and tricks and ongoing maintenance and support

7/06 – 6/07, Medtronic, Plymouth, MN

- Java Web developer for a custom built content management system using Spring MVC, Ibatis and Hibernate
 - Created new object oriented architecture and integrated Hibernate persistence into an existing application.
 - Coded controllers, domain objects and persistence classes for multiple components of the application for new development and existing features
 - Utilized Spring Framework helper classes to refactor unit tests and decrease the time to run an entire suite of tests from 12 minutes to 60 seconds
 - Added reports to the build script and continuous integration process using Cruise Control, Ant, Cobertura, Javadoc, Junit, and Jxref (source cross reference)
 - Worked with Ultraseek API to refine search results and provide effective indexing of pages within the application.
 - Performed general maintenance and bug fixes

2/06 – 7/06, Applications Systems Engineer, Wells Fargo, Minneapolis, MN

- Lead J2EE Developer for a business process orchestration middleware application using service oriented architecture
 - Created a web service to accept client requests, transform XML messages and generate PDF documents
 - Implemented components to consume other Wells Fargo enterprise web services
 - Designed and documented system interfaces to external applications
 - Defined XML Schemas
 - Performed XML Mapping utilizing Contivo Analyst
 - Coded Junit tests for automated regression testing of XML transforms

12/04 – 1/06 Web Developer, Wells Fargo, Minneapolis, MN

- Team Lead for a web based tracking system for Institutional Lending and Capital Markets business units utilizing J2EE technology
 - Worked closely with business representatives to define requirements and use cases for the system
 - Wrote technical documentation for business signoff and documented procedures and coding guidelines for the development team
 - Evaluated and selected appropriate architectural frameworks for implementation including Hibernate, Spring, and Struts
 - Designed and documented interfaces with external systems including a Pricing Engine and Lender Database
 - Introduced unit testing and continuous integration methodologies to the development team, resulting in more efficient coding and fewer defects during user acceptance testing
 - Recipient of the Wells Fargo Sales and Service award in 2005

12/02 – 11/04 Web Developer, Wells Fargo, Minneapolis, MN

- J2EE Developer/Team Lead for a web based mortgage application using MVC architecture and WebSphere Application Developer
 - Lead a small team of web developers
 - Coded Servlets, JSPs, Beans, Business Object, and Persistence layer objects
 - Defined and created XML interfaces with back end systems
 - Wrote functional specification documentation in response to requirements defined by the business
 - Creates and maintained documentation on coding standards, best practices and development techniques
 - Refactored similar areas of code into reusable object oriented components
 - Responsible for the implementation of several open source projects including CruiseControl, Velocity, JUnit, Log4j and Apache Commons packages
 - Received several quarterly Wells Fargo Service Excellence awards in 2004

- Build Master
 - Created an Ant build script for generating deployment files, test cases, and controlling simple server functions
 - Responsible for production deployment of new code
- Production support
 - Identified recurring system problems and implement solutions and workarounds that are triggered automatically
 - Implemented developer admin interface to resolve common issues
 - Define procedures and communication plan for keeping stakeholders informed about system status

9/00 – 11/02 Staff Consultant, CSC, Minneapolis, MN

- J2EE developer for a web based work flow application using VisualCafe, Struts, and WebLogic
 - Coded Enterprise Java Beans, Java Server Pages and persistence layer objects. Responsible for code that provided email and fax communication with users, as well as dynamic generation of PDF files
 - Used and enhanced open source tools from Jakarta to provide a framework for rapid development
 - Mentored junior developers and documented procedures and best practices for the development team
- Developed a Learning Management System (LMS) to provide course maps to students and capture scores on course evaluations using Perl and CGI
 - Configured and administered a Linux server with Apache Web Server and a MySQL database to host the LMS and other custom-developed project management tools
 - Customized an API in Java to interface with OpenOffice.org; used the API to automate the creation of supplemental training documents
 - Recipient of the Employee of the Month award at client site
- Created two Java applications for a division of the U.S. Military.
 - Allowed users to search an XML database of web-based resources relating to safety plans and procedures and link to them on the Internet.
 - Created a customized text editor to create safety plans by guiding the user through required sections and providing them with a checklist to ensure the plan met specific requirements.
- GUI Java developer at a large automotive manufacturer using Visual Age for Java and Chordiant
 - Responsible for writing Java code and documentation for client GUI panels as well as setup and administration of a server for Visual Age team development
 - Assisted with coding a client agent to establish a connection from front end panels to back end Enterprise Java Beans
- Attended two month training program with focus on Internet technologies including SQL, Java, JSP, and Java Servlets; awarded CSC Values award and asked to return as Assistant Instructor

Education

University of Minnesota, Minneapolis, MN
MS in Software Engineering, 2006

St. John's University, Collegeville, MN
BA in Management, Computer Science, 2000