Mike Croteau

Software Engineer

croteau.mike@gmail.com
https://github.com/mcroteau/pelican
www.datatundra.com/mcroteau-portfolio

Software Engineer with 10 years of experience in designing and developing software applications. Have worked on both Open Source and closed sourced projects, single tiered and multi-tiered applications. Technologies include Java, J2EE, Spring, Spring MVC, Spring JDBC, RESTful apis, Grails, Groovy, .NET, C#, WPF, Python, Perl, PHP, SQL, HTML, CSS, JQuery, Javascript Templating, RaphaelJS, Bootstrap CSS. In addition to development I also enjoy the design process. I have acted as User Interface design engineer on more than one project and have spent countless hours in photoshop designing user interfaces and developing brand identities. I enjoy all facets of software development and have a genuine interest in delivering clean and engaging software solutions.

Software Engineer

Jan 2016 – Current

Pelican/MGi Data Source – Fairbanks, AK

Greenfield is a lightweight open source Java/Groovy eCommerce application that focuses on easy setup. MGi specializes in everything software from single tier applications to full stack development on web, mobile, tablet or desktop environments. We offer everything software development, from initial idea to production level deployments to backups and security, everything data.

- Custom application design and development, Java and Groovy
- Custom application user experience design and development
- Design and coded functional logic of applications
- Setup and maintained production servers running Apache, Tomcat, SSL
- Supporting website and documentation
- Supporting functional tests leveraging Selenium & Katalon
- Source code maintenance and issue resolution

Technologies: Groovy, Java, Grails, Spring JDBC, Spring MVC, JSP, GSP, Javascript, CSS, HTML, SQL
Libraries & Frameworks: SSL, Quartz, jQuery, Bootstrap, Dygraphs, Mustache, ckeditor
Tools: TextMate, IntelliJ, Git, SVN
Software: Postgres, DB2, Tomcat, Apache, Photoshop

Software Engineer

May 2015 – Dec 2015

Alaska Satellite Facility - University of Alaska – Fairbanks, AK

- Collaborated in a team environment to produce client facing software solutions
- Designed and developed new product enhancements and features
- Maintained existing code quality, following engineering best practices
- Assisted engineering team in maintaining an agile development environment

Technologies: Python, Perl, Javascript, CSS, HTML, Git

Libraries & Frameworks: jQuery, django
Tools: IntelliJ
Projects: Vertex

Programmer/Analyst III   Aug 2014 – Dec 2014

Department of Natural Resources, State of Alaska – Anchorage, AK

- Server side Java J2EE ApplinX mainframe development
- Java JSP interface design and development
- Developed Web Service interfaces for mainframe interactions
- Participated in ApplinX mainframe application upgrade
- Participated in development on internal application to support business processes in ASP.NET

Technologies: Java, J2EE, ApplinX, Javascript, CSS, HTML, XML, C#, ASP.NET
Libraries & Frameworks: jQuery, Twitter Bootstrap
Tools: Eclipse, ApplinX

Software Engineer   Nov 2010 – June 2013

TexelTek - Annapolis Junction, MD

TexelTek provided comprehensive systems, solutions and technical services to the intelligence community and other industries that depended on protecting privacy and keeping data secure.

Acted as Information Architect/User Experience co-lead on a distributed team operating in multiple locations throughout the US.

- Designed and developed front-end web interfaces for cloud based analytic tools.
- Collaborated in design of analyst facing data driven interfaces
- Wireframe and full detail mockup production
- Implemented clickable interface prototypes in Javascript, HTML, CSS, JSON
- Performed Interface integration with enterprise data driven services in Java
- Assisted in the creation of a test, integration and production deployment schemes
- Participated in final product evaluation and analysis leading to ongoing maintenance and modifications.

Technologies: Javascript, CSS, HTML, Java, Hadoop, Zookeeper, Accumulo, Maven, Git, JSON, XML, Messaging
Libraries & Frameworks: jQuery, Mustache, Twitter Bootstrap, D3, RaphaelJS, ExtJs, Spring, Google Maps, RabbitMQ
Tools: IntelliJ, Spring STS, TextMate, Photoshop

User Experience Engineer   Jan 2010 – April 2013

Carver Lab - Remote

Carver Lab is a boutique software development firm with a product suite that includes video streaming, enterprise accounting and email marketing applications.

Worked with a small group of developers and marketing experts to develop a Microsoft alternative for email marketing leveraging Amazon's enterprise cloud services.

- Performed feature and user work flow analysis on new application
- Produced Photoshop mockups of 10CentMail Desktop product
- Implemented in XAML and C#, produced Windows based Desktop software product
- Designed and coded supporting Wordpress plugin
- Created functional test suite leveraging Selenium

Technologies: PHP, Javascript, HTML, CSS, SQL, .NET, WPF, XAML, SVN, Git, MySQL, JSON, XML
Libraries & Frameworks: Wordpress, jQuery, Twitter Bootstrap, MahApps Metro
Tools: Text Mate, Visual Studio, Photoshop, Selenium

Web Developer
Jan 2010 – Nov 2010

Alaska Satellite Facility - University of Alaska - Fairbanks, AK

The Alaska Satellite Facility (ASF) of the Geophysical Institute (GI) at the University of Alaska Fairbanks, downlinks, archives, and distributes satellite-based data to scientific users around the world.

Collaborated with a small development team producing multiple ASF supporting web resources including the designed development of a real time graphical display of magnet component data as well as a complete redesign and development of a new dynamic CMS backed web site.

- Requirements gathering
- Wireframes production using Balsamiq
- Photoshop mockup creation
- Graphical interface development in Javascript, HTML, CSS
- Site development and deployment leveraging Drupal, PHP, Javascript, HTML and CSS

Technologies: PHP, Drupal, Javascript, MySQL, SVN, HTML, CSS, JSON
Libraries & Frameworks: Drupal, jQuery, Dygraphs
Tools: Eclipse, Photoshop, Balsamiq

Programmer/Sales
Jan 2007 – Jan 2010

Randr Inc - Remote

Randr Inc provided complete Java J2EE Open Source eBusiness solutions for entrepreneurial, small and midrange businesses.

- Java J2EE server side development on open source applications
- Project administrator for multiple open source projects
- Managed open source project releases and packaging via Sourceforge
- Researched, discovered and integrated emerging open source technologies and libraries
- Consulted with clients balancing functional requirements with financial budget
- Collaborated with team members to tailor and deliver custom solutions within budgetary constraints
- Provided customer support

Technologies: Java, J2EE, JSP, Javascript, CSS, HTML, SQL, jQuery, PostgreSQL, Ant, XML
Tools: Eclipse, Photoshop

Education

University of Nevada Reno
Reno, NV 2001-2004
B.S. Finance, Minor Accounting

Walla Walla Community College
Walla Walla, WA 1998-2000
Associate's Degree

Projects

Greenfield - Greenfield is a lightweight open source eCommerce application that focuses on quick and easy setup. Greenfield leverages various web services for payment processing, real time shipping calculations and application notifications. http://opengreenfield.org