

Joe Kurlito

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Summary

I am a full-stack web engineer with a passion for creating a perfect user interface and experience. My tools of choice include Ruby on Rails and Backbone.js, but I am an avid learner and eager to master new technologies. I have a sensitive nose to code-smell and a compulsiveness to eradicate it. I can prototype features quickly, but know when and how to test an application to prevent problems down the road.

Technical Skills

Server-side: Ruby (1.9), Rails (3.2.x), PHP, CakePHP, Capistrano
Client-side: JavaScript, CoffeeScript, Backbone.js, jQuery, jQuery UI, CSS3, SASS/SCSS, LESS, HTML, Haml
Testing: rSpec, Cucumber, Jasmine
Database: MySQL, PostgreSQL, SQLite3
Systems: OS X (Lion/Mountain Lion), Ubuntu, Windows (XP/7)
Other: Git, C/C++, Matlab/Simulink, Java, Visual Basic/VBScript, Wordpress, Joomla

Education

University of Michigan, Ann Arbor

8/2008 - 12/2011

BSE in Electrical Engineering (GPA 4.0/4.0)

- Specialized in digital signal processing with a senior design project involving image recognition and classification
- Software-related coursework included object-oriented programming and embedded control systems
- Hardware-related coursework included analog circuitry, logic design, and semiconductor devices

Experience

Vocatta - Ann Arbor, Michigan

1/2012 - present

Full-stack Ruby on Rails, JavaScript, and graphical developer for e-learning platform

- Worked on a team of three to design, architect and develop an e-learning system from the ground up using Ruby on Rails, Backbone.js, Cucumber, and rSpec.
- Ensured application quality using both a test-driven development (TDD) and a behavior-driven development (BDD) approach to designing and coding both the server and client sides of the application
- Led front-end application interface development for interactive learning modules and content management tools using the Backbone.js framework and CoffeeScript
- Developed look and feel of the application using CSS/LESS and HTML/Haml to shape the features and UI design of the application
- Worked side-by-side with a senior Ruby developer and guided an intern developer in front-end development

Technical Skills

Ruby 1.9.3, Rails 3.2, JavaScript, CoffeeScript, Backbone.js, Cucumber, rSpec, Jasmine, Haml, jQuery, jQuery UI, HTML, CSS3, LESS, Devise, Capistrano

General Motors - Milford, Michigan

5/2011 - 8/2011

Intern in hybrid control systems group

- Authored test suites for full-coverage regression testing of hybrid vehicle control software
- Created a software testing tool within the Matlab/Simulink environment to be used by entire hybrid controls group
- Communicated and collaborated with various teams to collect requirements and design a viable product compatible with existing tools and processes

University of Michigan - Ann Arbor, Michigan

9/2010 - 12/2011

Instructional aide for introductory Music Signal Processing course

- Instructed students in weekly computer lab projects involving introductory topics on Matlab and Signal Processing
- Held office hours to give additional aide and deeper understanding to students

Circle K - Ann Arbor, Michigan

5/2009 - 1/2011

Technology committee member for community service university club

- Worked in a four person team to develop and maintain club's website and databases
- Volunteered regularly within the community

Technical Skills

PHP, MySQL, HTML, CSS, JavaScript, Joomla CMS