Kris Mitchell

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Profile

I'm a web developer, computer scientist, interface designer, and tech enthusiast. I believe in writing useful and usable software that helps everyone get their job done, and I'll work with the right technologies and people to get my job done. I'm usually pretty quiet, but I love collaborative software development, and I believe that truly interesting problems require more than one mind to solve.

Technologies

Programming Languages:	Java (XPages/Java ServerFaces, GWT, Swing), JavaScript (AngularJS, NodeJS, jQuery, Backbone), PHP, C, C++, Perl
Platforms:	Windows, Linux, Android
Other:	Web Development, IBM Lotus Notes/Domino, Apache Tomcat, PostgreSQL, MySQL

Employment

Allegro Associates – Software Developer

Dec 2012 — Present
– Web Application development and systems consulting (Domino/XPages, HTML/CSS/JavaScript)
– Wrote a system for abstracting document approval processes (LotusScript)
– Eclipse platform development (developed an SWT plugin for time-tracking)
– Hardware and software maintenance (setup, installation and configuration of UNIX and Windows operating systems)

University of Alberta – Software Engineer Research Intern

May 2011 — July 2012
– Ported a Swing app for exam modeling/generation to a web application (Java/GWT)
– Developed an online learning environment for medical students (Java/GWT, PostgreSQL)
– Collaborated on a set of frameworks for GWT development: SimpleORM, GWT-MVP

Projects

Fitness Booking System

A web application written for a client using IBM XPages and AngularJS. Allows users to book and cancel fitness equipment and classes and report on bookings (2013, 2016).

Purchase Statements API

A RESTful API to allow external clients (via API key) to access invoices stored in Oracle (2015).

Internal Homepage CMS

My first AngularJS application. Allows users to modify and link rich content across a set of pages (2015).

Employee Procedures Wiki

An internal application used to write, revise, categorize, and search relevant employee procedures. Written using IBM XPages and Backbone.js (2015).

Rail Car Tracking

Allows a client to keep track of rail cars throughout various stages in the shipping process. Uses IBM XPages and Oracle. (2014)

Jewel Bot (https://github.com/krisrm/jewelbot)

Something I wrote to compensate for my inadequate Bejeweled skills. Written in Java, figures out jewels based on a single pixel in each cell, then uses the Robot class to control the mouse and make matches (2012).

Live Name Tag (https://github.com/krisrm/live-nametag)

A cool little project I did with my friend Travis Dilts to display statistics from the social network GDGT using bluetooth, an Android phone, and a 32 character LCD display connected to an Arduinio (2012).

Education

B.Sc, Computing Science, Honors. University of Alberta, 2012