

# Kris Mitchell

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## Profile

I'm a software 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.

## Technologies

**Programming Languages:** Java (XPages/Java ServerFaces, GWT, Swing, Hibernate), JavaScript/TypeScript (Angular, NodeJS, jQuery), SQL, PHP, C, C++, Perl

**Platforms:** Windows, Linux, Android

**Other:** Web Development, Oracle Database 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/Java, HTML/CSS/JavaScript)
- Large scale data systems development for telecommunications (Oracle, Hadoop, Unix, Control M)
- 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

## **Policy Tracking application**

A web application written using Angular 7, Microsoft's SQL Server, and a thin REST API in Java. Used by a client to track policy document change cycles over time. (2019)

## **Modem & Device Install compliance**

An Oracle application for a client to conduct reporting on customer-facing device install compliance. Designed a business rules engine and handled integration with data from Hadoop clusters as well as other business systems (2017-2018)

## **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 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 Arduino (2012).

# Education

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