

SKILLS

Web	JavaScript jQuery ExtJS Spring Django Drupal Symfony2 ASP.NET MVC
Mobile	Android Gradle RxAndroid Retrofit Dagger/Butterknife iOS Objective-C Cocoapods Restangular
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EMPLOYMENT

Software Developer, Declara

Full Spectrum Developer

Jan 2014 — Present

- Xamarin:** I prototyped a Xamarin (C#) Android app in tandem with another engineer who built an iOS app. We determined that unifying the platforms was not practical due to networking libraries.
- Android:** I assisted out Android developer with backend integration and app architecture. I brought in Dagger and Butterknife to simplify Activity wireup. I also integrated RxAndroid to tame response handling.
- iOS:** Developed several prototype iOS apps as part of 8 member team. After the team was downsized to 2 engineers, I provided backend support. Eventually, I became the primary iOS developer.
- Cordova:** Integrated Android push notifications into a Cordova client wrapper app.
- Django:** Built backend components and implemented services using Django. I also used Scrapy (which is built on Django) to build custom content importers.
- Spring:** Implemented backend and external services with Spring.
- Angular:** Built and maintained Angular client.
- Node:** Maintained node.js admin service.

Director of Technology, Behavior Imaging

Led development of assessment platform and iOS apps. Administered AWS environment.

Jan 2012 — Jan 2014

- Behavior Connect:**
- Assessment View:** Supported the State of Mississippi while they used the Assessment View product to perform alternate assessment – around 1,300 teachers utilized Assessment View to perform assessments on 3,600 students.
- NODA:** NODA was a research project conducted with Georgia Tech and SARRC; an iOS app was developed to allow
- iOS:** Specified and managed development of specialized versions of Behavior Connect, including custom iOS apps used for data collection.

Software Engineer, Blackfin/Xtreme Consulting

Software development consultant

May 2006 — Jan 2012

- Idaho Dept of Labor:** Maintained and improved Idaho Department of Labor Unemployment Insurance VB.NET fraud tracking web application.
- Microsoft:** Developed an application to generate and validate software loan offers. The financial rules were highly dynamic and complex. I implemented a simple DSL to translate textual rules (stored in the DB) to C# Expressions, which were bound to client-side validators. I also implemented a simple ANTLR parser to assist with testing.
- Microsoft/ProClarity:** Part of team assisting with Delphi legacy support after Microsoft acquired ProClarity. My focus was localization.
- Idaho Department of Education:** Longitudinal Data System – worked on ASP.NET MVC user applications, Schoolnet data integration and general reporting.
- Healthwise:** Consulted as VSTO expert on Excel-based data entry application to simplify medical diagnosis rule entry.
- Boise Cascade:** I built an Excel app for users to generate material estimates based on structure layout. I also developed a desktop app that parsed lumbermill log data and generated metrics using Excel pivot tables.
- Idaho Dept of Lands:** Built timber sale tracking app using Windows Workflow Foundation and ASP.NET; integrated with IDL site.
- Drupal:** I developed a number of Drupal sites; notable instances include Craneweb which allowed users to buy, sell and lease cranes. The Farmhouse Collection was a furniture site accessible by designers.

Software Engineer, Hewlett Packard

- Software Engineer:** I developed, documented and supported the Laserjet embedded ChaiJan 2001 — Jun 2005 VM SDK (HP's Java implementation). I used JNI to integrate with the LaserJet scan and fax eCOM functionality.

Contract Software Engineer, Hewlett Packard

- Contract Software Engineer II:** I worked as a QA engineer using Perl to build and run a testJun 1998 — Jan 2001 harness. I used SWIG to interface with SCAPI which read low-level scanner data; this enabled automated scan and fax tests.

EDUCATION

Boise State University	Jan 1997 — Jan 2000
University of Idaho	Jan 1989 — Jan 1991
University of Puget Sound	Jan 1987 — Jan 1989