

SKILLS

Web	JavaScript jQuery ExtJS Angular
Mobile	Android Gradle RxAndroid Retrofit Dagger/Butterknife iOS Objective-C Cocoapods Restangular
Frameworks	Django Drupal Spring Symfony2 ASP.NET MVC
Languages	Python PHP Java JavaScript C# VB.NET VBA C/C++ PowerShell Objective-C Perl
Other	Git Gradle AWS Kafka

EMPLOYMENT

Software Developer, Declarative

Full Spectrum Developer	Jan 2014 — Present
<ul style="list-style-type: none">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/Python: Built backend components and implemented services using Django. I also used Scrapy (Django-based web crawler) to build custom content importers. I built csv importersSpring: Implemented backend and external services with Spring. Coordinated services with Kafka and Rabbit. Built real time chat capabilities using Websockets and Rabbit.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
<ul style="list-style-type: none">Behavior Connect: Behavior Connect was the core platform. I developed the the specification to rebuild the platform. I also worked with additional clients to support other uses, notably pharmaceutical trials.Assessment View: AssessmentView was based off of Behavior Connect, targeting K-12 Alternate Assessment. I administered the AWS infrastructure and provided support to end users.NODA: NODA was a research project conducted with Georgia Tech and SARRC; an iOS app was developed to allow caregivers to record and upload video of patient behaviors for clinician analysis. The video was tagged with DSM IV generated tags to quantify diagnostics.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
<ul style="list-style-type: none">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 supporting third party application development	Jan 2001 — Jun 2005
<ul style="list-style-type: none">Software Engineer: I developed, documented and supported the Laserjet embedded Chai VM SDK (HP's Java implementation). I used JNI to integrate with the LaserJet scan and fax eCOM functionality.	

Contract Software Engineer, Hewlett Packard

<ul style="list-style-type: none">Contract Software Engineer II: I worked as a QA engineer using Perl to build and run a test harness. I used SWIG to interface with SCAPI which read low-level scanner data; this enabled automated scan and fax tests.	
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EDUCATION

BS, Boise State University

Computer Science and Math.	Jan 1997 — Jan 2000
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BA, University of Idaho

Classical Languages.	Jan 1989 — Jan 1991
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University of Puget Sound

Business Leadership, Computer Science and Honors Program.	Jan 1987 — Jan 1989
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