
SKILLS

Web	JavaScript jQuery Angular
Mobile	Android Gradle RxAndroid Retrofit Dagger/Butterknife iOS Objective-C Cocoapods Restangular
Frameworks	Django Spring Boot ASP.NET MVC Node
Languages	Python PHP Java JavaScript C# Objective-C
Database	PostgreSQL MySQL SqlServer
Other	Git Gradle Maven RabbitMQ NServiceBus AWS Terraform Kubernetes Docker ANTLR

EMPLOYMENT**Senior Software Engineer, [Bodybuilding.com](#)**

Jul 2018 — Present

Senior Software Engineer supporting ecommerce fulfillment platform and third party integrations.

- **Shopify:** We replatformed to Shopify in 2021. I built the Shopify to fulfillment pipeline and integrated the financial systems (primarily Great Plains).
- **Documentation:** Documentation was largely missing/outdated, I reorganized and updated it.
- **C#/NServiceBus/RabbitMQ:** Developed and maintained [NServiceBus](#) C# handlers that formed the core of the fulfillment platform.
- **Spring Boot:** Migrated NServiceBus handlers to Spring Boot microservices running in AWS Kubernetes (EKS).
- **Node.js:** Maintained node apps running in ECS and architected a migration path to Spring Boot.
- **AWS:** Developed and administered AWS infrastructure using [Terraform](#).
- **Python:** Supported legacy Python AWS Lambda services and wrote a lot of scripts for arbitrary tasks.
- **PERL:** Ran and maintained legacy perl scripts.
- **Elasticsearch/Kibana:** Maintained es cluster, built kibana dashboards for business users.
- **ANTLR:** Built Slack bot with ANTLR and Spring Boot for infrastructure management.
- **Agile:** Planned, estimated and tracked work in Jira - toggled between scrum and kanban.
- **SqlServer/MySql/Snowflake:** Lots and lots of database work to fix problems and generate reports.

Senior Software Engineer, [Declar](#)

Jan 2014 — Mar 2020

Worked on all platform components - mobile (iOS/Android), backend (Django, Spring Boot) and frontend (Angular/2).

- **Xamarin:** Prototyped an Android app using the Xamarin framework (C#/Mono).
- **Cordova:** Integrated Android and iOS push notifications into a Cordova client wrapper app.
- **Android:** Used Retrofit and RxAndroid to integrate with REST backend. Used Dagger and Butterknife to streamline Activity development.
- **iOS:** Supported iOS REST backend integration. Developed and maintained iOS app.
- **Python:** Built backend components and implemented services using Django.
- **Spring Boot:** Integrated backend with Spring Boot. Coordinated services with Kafka and Rabbit.
- **RabbitMQ:** Built chat and user presence using Websockets/STOMP and Rabbit; integrated with the mobile platforms.
- **Angular:** Built and maintained Angular/2 clients.
- **Node.js:** Maintained node.js admin service.
- **Consultant Work:** Assisted with updates and enhancements after joining Bodybuilding.com.

Director of Technology, [Behavior Imaging](#)

Jan 2012 — Jan 2014

Led design, development, documentation and administration of assessment platforms. Managed outsourced development team.

- **Assessment View** is a platform for administering alternative assessments for K-12 students. Initially, it was built in PHP using the Zend Framework and a Flash frontend. I worked with a remote team to redesign and build the second version using Symfony2 and ExtJS. I also built and maintained the AWS host infrastructure. While the v2 development was underway, I supported version 1.
- **Behavior Connect** is a platform for remotely diagnosing Autism, based on the Assessment View codebase. I oversaw design and development of version 2, including merging AssessmentView functionality.
- **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:** Wrote specifications and managed development of specialized versions of Behavior Connect, including custom iOS apps used for video data collection.

Software Engineer, [Blackfin/Xtreme Consulting](#)

May 2006 — Jan 2012

Consulting Software Engineer

- **Idaho Dept of Labor:** Maintained and upgraded Idaho Department of Labor Unemployment Insurance VB.NET fraud tracking web application.
 - **Microsoft:** Developed ASP.NET MVC 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:** Built an Excel app using VBA for users to generate required material estimates based on structure layout. I also developed a desktop app that parsed lumber mill log data and generated business metrics using Excel pivot tables.
 - **Idaho Dept of Lands:** Built [timber sale tracking app](#) using Windows Workflow Foundation and ASP.NET.
 - **Drupal:** 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.
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EDUCATION**BS, Boise State University**
Computer Science**BS, Boise State University**
Math**BA, University of Idaho**
Classical Languages