

JONATHAN BALLANDS

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Software engineer and designer wannabe, specializing in front-end web dev with an emphasis on excellent user experiences and attention to detail. Want to work with the latest web technologies, including server-side technologies.

EMPLOYMENT

Mobile Innovation Lab Software Engineer

IBM

June 2014 - Present

Austin, TX

IBM Swift Sandbox & Swift Package Catalog

November 2015 - Present

Lead and architect the web development effort for both applications. Scrum master for both the Swift Sandbox and Swift Package Catalog. Previously lead web developer for Sandbox, developing the Node server and Express middleware. Lead web developer on Package Catalog, using tools like Angular, Redux, Express, Handlebars, and Gulp.

IBM ReadyApps Program

June 2014 - November 2015

Developed nested web views in native iOS and Android applications to present complex visuals using tools like Angular and D3. Design and created a documentation system utilizing markdown and server-side rendering to make documentation of the ReadyApps easier. Developed first Apple Watch app at IBM for ReadyApp Retail.

Mobile Innovation Lab Asset Manager

July 2015 - October 2015

Researched and developed front-end for internal asset management application using React and Fluxxor. Provided insight to team on JSX transpilation and Flux architecture.

- Teach and present to engineers across IBM on various topics including Angular 1.x, ES 2015, and Express middleware.
- Utilize IBM Design Thinking framework to ideate and align on objectives, personas, and overall product design.

Health Information Systems Intern

3M

May 2013 - August 2013

Austin, TX

- Developed a proprietary product release manager prototype using ASP.NET and C# to help 3M HIS visualize release dates, project milestones, and support windows.
- Collaborated with team members as part of an Agile Scrum team to implement a feature in 3M ChartScript that allows medical transcriptionists to process transcripts quicker and more accurately.

Math Emporium Instructional Assistant

Virginia Polytechnic Institute & State University (Virginia Tech)

August 2011 - May 2014

Blacksburg, VA

- Taught six Virginia Tech mathematics courses to first-year students such as precalculus, elementary linear algebra, business calculus, and geometry.
- Communicated practical and abstract concepts to students to ease learning curve between high school and university-level mathematics and to encourage student confidence in the course material.

EDUCATION

B.S. Computer Science, minors in Mathematics, Industrial Design

Virginia Polytechnic Institute & State University (Virginia Tech)

August 2010 - May 2014

Blacksburg, VA

TECHNICAL SKILLS

Proficiency in approximate descending order from left to right.

Languages

Javascript (including ES 2015), HTML & CSS/SCSS, Swift, Java, C#

Libraries

Angular 1.x, React, Redux, Node, Express, Handlebars, Babel, Fluxxor, React Native

Native Mobile

iOS (Core Data, Cocoa Touch, WatchKit), Android

Tools

Gulp, Git, Bash, Xcode, Unity, Sketch, Illustrator, Photoshop, Zeplin

Cloud

AWS (EC2, S3, Elastic Beanstalk), Heroku

Storage

MongoDB, Redis

Methodologies

Scrum, Agile, Kanban