RB

RYAN BROOKS // *Full Stack Web Developer*

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U.S. Citizen // Denver, Colorado

Skills

Web Dev // JavaScript(ES6), HTML, CSS, Sass, Node.js, SQL, MongoDB, Express, Firebase/Firestore, Heroku, Webpack
Programming // C#, .NET, Python, Java, Objective-C, C/C++, Scala
Operating Systems // Linux (Ubuntu), OSX, Windows, iOS
Tools // Bash, Git, Perforce, Visual Studio, Xcode, Photoshop

Experience

National Instruments // Software *Engineer* // Sept 2015 - May 2017
- Worked on two teams implementing application software features for users to interact with hardware devices

  Team VirtualBench
  - Created a generic cascading dropdown menu that was used throughout the iPad application using C# and Xamarin
  - Created a mouse/keyboard/touch reactive scientific number box present throughout the windows and iPad application.
  - Discovered and fixed data visualization issue that resulted in incorrect sensor readings related to differences in the hardware capabilities of the VB1 and VB2.

  Team DAQmx for NXG
  - Implemented a constant UI/UX for over 600 DAQmx hardware sensors with unique capabilities for National Instruments' reboot flagship application LabVIEW NXG.
  - Led the UI Design and development for supporting features of the PXIe-4339, a bridge configuration sensor with previously unsupported functionality in LV NXG.
  - Created an internal hardware database with automatic test validation that allowed any team releasing new hardware to have their devices supported in LV NXG, increasing the speed of the development cycle.

Go Tusker // Full Stack iOS Software Developer // Summer 2015
- Created a native social media iOS application on a small team for college students to locally post/rank photos.
- Utilized Rackspace servers as well as created an automated API validation tests for rapid development.

Taplet // Full Stack iOS Software Developer // Dec 2013 - July 2014
- Worked on a two person development team that created a native social networking app for video recording, editing, and sharing using Objective-C and AWS.
- Used AVFoundation to allow the user to toggle between the front and back facing camera in the same video, similar to the now Shapchat's feature.
- Developed beta release that secured $1MM in funding for future development.

Koupon Media // Software Developer Intern // Nov 2011 - May 2012
- Created an automated test suite with Selenium, providing validation on coupons provided to users by 40,000 retailers.
- Updated coupon portal website design.

Projects + Community

Code for Denver // Denver RE:Imagine // 2018 - Present
- Implemented frontend design changes using React and increased backend API functionality using MongoDB.
- Worked with a small team to create a web-tool aiding tenants in the coordination of recycling initiatives when collection was not provided by their landlords (launches Earth Day 2018).
- Worked with diver group of project owners, designers, and programmers of all abilities to create web technologies for local non-profits.

TheBrooks // self-guided learning on github // present
- Journey to full stack web developer through full-time study, project creation, and new technology exploration.

GeoMesa // Non-relational Big Data // 2015
- Created a filter for indexing large data sets (500m+ rows) of spacial-temporal data into adjustable time buckets for queries and data visualization.
- Participated in hackathon at facebook in efforts to contribute to one of several large open source projects.

Education

University of Texas at Austin // B.S. Computer Science // Spring 2015 // 3.7
- Relevant Coursework: Mobile Web Apps, iOS Mobile Applications, Software Engineering, Object Oriented Programming, Relational Database Fundamentals, Algorithms & Complexities, Facebook OpenSource, Computer Architecture