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I am a fullstack engineer with a deep knowledge of both the LAMP and MEAN stacks, specializing in building universal React applications utilizing a flux architecture.

Technical Skills

- Ability to work with and build **agile** teams of developers and designers to bring ideas to fruition using version control
- Excellent responsive design, CSS3 (e.g. **flexbox**, animation) and browser quirk handling with precursors like **SCSS**
- Expertise in **new JS APIs** (e.g. WebRTC, FileReader, Web Workers, Canvas), **ES6** and modern frameworks like **React**
- Unit tester (e.g. Mocha, Karma, Protractor), builder (e.g. **Gulp**, Grunt) and optimizer (e.g. **webpack**, browserify, rjs)
- Expertise in Node.js (e.g. **Express**, Socket.io), PHP (e.g. Laravel, Codeigniter) and serverside tools (e.g. ImageMagick)
- Fluent in SQL and modern databases (e.g. redis, mongodb) plus **cloud** platforms (e.g. Google Cloud, AWS)
- Proficiency in **server configuration** (e.g. Apache, Nginx) and deployment (e.g. Docker, Heroku)
- Experience extracting value from data and understanding how to apply **machine learning** to problems

Experience

Quinnia, February 2015 to Present

Quinnia, an automated interview platform and marketplace for students and employers, was cofounded by a business lead and myself as the tech lead. I pitched to potential customers and coordinated the business goals with the cofounder, contracted designer and occasional part-time developer to complete the milestones. Quinnia was accepted in the StartupNext Boston accelerator with 8 other elite startups. Within this program, we worked with UX experts and focus groups to refine the product. We partnered with career centers and incorporated our platform into career courses. Our mock interviews generate questions for students based on their resume, major and experience and speak the question to them. The student responds to the questions and are recorded. The recording is analyzed for facial expressions and filler words and given to the career advisor to provide feedback to the student. All the technologies were developed by myself including the application of research in deep learning of facial expressions, reliably recording the student within the web browser plugin-free, and universal javascript with React.

teamDigital, December 2014 to January 2015

I developed a platform that enabled the realtime moderation and judging of multiple SoundCloud.com contests. Because of its success, the tool was repurposed as a universal moderation/judging tool for other contests.

Social Psychology Network, July 2009 to December 2014

Having been awarded a grant from the National Science Foundation, the Network hired myself to build a web community and continue their mission. As part of their small team, I built interactive psychological demonstrations in addition to a profile platform for thousands of social psychologists to show their research. I trained and managed student interns to help with testing and support requests. I also helped put together the largest course on Coursera, "Social Psychology" for hundred of thousands of students and worked with Coursera staff to include a new unique feature for the course.

CultureU, January 2009 - July 2009

CultureU was a startup that designed a "cultural networking" site for college students to expose their creative talents. I built portfolios and other interactive frontend features. CultureU grew to include 30 students and faculty who actively contributed.

Indiana University Alumni Association, March 2008 - July 2009

I developed an alumni directory, group travel planner and other database-driven applications to enhance the alumni experience.

Education

B.S. in Computer Science, Indiana University
2005 - 2009

M.A. in Liberal Arts, Wesleyan University
2009 - 2014