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I am a fullstack web developer with a deep knowledge of both the LAMP and MEAN stacks, specializing in writing Javascript that is testable and reusable.

Overview of Skills

- Expertise in using current design practices, technologies, and frameworks to develop HTML5, CSS, and Javascript
- Able to create web pages compatible in major web browsers from Illustrator or Photoshop mockups/wireframes
- Proficient in following style guides and modern web design standards to turn large data sets into web-based visualizations and tools that are intuitive, well-designed and interactive
- Ability to work and collaborate with designers, server-side developers and other front-end developers to resolve conflicts using source control management and bug tracking software
- Up to date on emerging technologies and recommending effective and creative uses of technology

Technical Skills

- Ability to work with designers to bring ideas and mockups to fruition by leveraging vector art with Adobe CS
- Excellent responsive design, CSS3 (e.g. flexbox, animation) and browser quirk handling with precursors like LESS
- Expertise in JS APIs (e.g. FileReader, Web Workers, Canvas) plus Backbone, Underscore, and Angular libraries
- Unit tester (e.g. Mocha, Karma, Protractor), task manager (e.g. Gulp, Grunt) and optimizer (e.g. rjs, browserify)
- Expertise in Node.js (e.g. Socket.io), PHP (e.g. Codeigniter) and serverside tools (e.g. ImageMagick, PhantomJS)
- Fluent in SQL and modern databases (e.g. redis, couchdb) plus BaaS (e.g. Firebase, AWS, Google)
- Proficiency in server configuration (e.g. Apache, Nginx), benchmarking and deployment (e.g. Docker, Heroku)

Experience

Social Psychology Network, July 2009 to Present

Having been awarded a grant from the National Science Foundation in 2009, the Network was tasked to build a web community and continue their mission to promote peace, social justice, and sustainable living.

CultureU, January 2009 - July 2009

CultureU was a startup that designed a "cultural networking" site for college students to expose their creative talents through online portfolios. CultureU grew to include 30 students and faculty who actively contributed.

Indiana University Alumni Association, March 2008 - July 2009

The IUAA manages a searchable directory, group travel planner and other database-driven websites.

Projects

Social Psychology Profiles

This app has enabled thousands to create rich profiles which can be searched through a membership directory or interactive map.

Can You Avoid Segregation App

This interactive web app demonstrates how social preferences generate patterns of segregation.

Universal Gravity Simulator

This tool allows the user to create 2D simulations of celestial bodies and analyze them within the browser.

Education

M.A. in Liberal Arts, Wesleyan University

2009 - 2014

B.S. in Computer Science, Indiana University

2005 - 2009