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Ross A. Davis

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Software Engineer
San Francisco, CA

Technical Skills

Languages: JavaScript, Node, HTML, CSS, C

Frameworks: ExpressJS, AngularJS, Bootstrap, Ruby on Rails

Libraries: React, React-Native, Sequelize, BackboneJS, Passport, jQuery, Socket.io, D3

Databases: MySQL, SQLite3, MongoDB

Tools/Misc: Git, Github, Digital Ocean, VIM, BASH, Webpack, SCRUM, Grunt, Linux, Forever

Software Engineering Projects

GitSpy | www.GitSpy.com

Git-based communication tool to help software developers anticipate and avoid merge conflicts

- Implemented OAuth using Passport and all API interaction with GitHub to securely authenticate users
- Configured and deployed application and database on Digital Ocean Linux cloud server
- Designed RESTful server endpoints for each client-side view, including authorization logic
- Constructed server-side communication with Angular front-end and MySQL Database using Node/Express
- Implemented pagination when querying the GitHub API for user repos by extracting next page url query from header
- Created Bash scripts along with Javascript and Node to connect local repos with server

Food Zen

Recipes and nutrition information based on current ingredients

- Designed an algorithm to parse XML from Spoonacular API into JS and sum nutrition info based on recipe portion size
- Implemented asynchronous API calls to quickly render front-end while retrieving data to maintain fast page load times
- Utilized Angular UI and Bootstrap for users to control displayed data for a clean and intuitive user interface

Event.ly and WeatherAlarm

Event-based weather notifications

- Utilized Wunderground API with Node to retrieve data upon initial event creation for storage in SQL database
- Implemented email functionality with MailGun API to monitor weather changes using NodeJs and Express and notify user
- Created client-side front end using AngularJS and Bootstrap for a clean, responsive UI
- Implemented Angular front end, Node server, and a Mongo database, for a lean, responsive interface
- Provided weather information through Wunderground API for added user convenience

Professional Experience

United Parcel Service Maintenance and Engineering Supervisor 2006 - 2015

- Led and directed mechanics in the performance of aircraft maintenance, to maintain 95%+ on-time reliability

American Eagle Airlines Aircraft Maintenance Technician 2004 - 2006

- Maintained safe and reliable aircraft fleet in accordance with Federal Aviation Administration regulations

Embry-Riddle Aeronautical University Engine Overhaul Technician 2001 - 2004

- Performed complete overhaul of aircraft engines as well as regular interval inspections of engine components

Education

Hack Reactor Advanced Software Engineering Immersive Program 2016

Embry-Riddle Aeronautical University Bachelor of Science (B.S.) 2000 - 2004

- FAA Airframe & Powerplant License

Personal

In addition to my love of building things in the digital space, I love building things in the physical space. I enjoy working in many different mediums from building my own quadcopter to making pens from wood on a lathe. I'm passionate about learning new things as well as enjoying the great outdoors.