THOMAS JOHAN BACK

Software/Web Developer

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Sunnyvale, CA

github.com/tjb295

COMPETENCIES

Highly Organized
Creative
Analytical
Team Building/Collaborative
Communicative
Resourceful

SKILLS

HTTP & RESTful Communication
Database(SQL & NoSQL)
AJAX
Agile/Scrum Methodology
Linux: Redhat, Fedora, Ubuntu

LANGUAGES

Front End Frameworks:
JavaScript, Angular2, React-Native, HTML, CSS, AJAX
Back End Framework:
Java, C, Python, NodeJS, MongoDB, SQL

EDUCATION

Bachelor of Science:
Computer Science
(Japanese Minor)
Northern Arizona University
May 2018

PROFESSIONAL SUMMARY

Educational focus on software development methodology that has been cemented by hours of personal projects and freelance work in web and mobile application development.

EXPERIENCE

SpiffPasse E-Commerce Site – *Jr. MEAN Stack Developer (Freelance)* 1/2016-7/2016

TechStack(*AngularJS/NodeJS/Bootstrap/MongoDB*)

Under the guidance of a Senior developer, we followed an Agile development cycle to bring pre-designed wireframes to life as an SPA in AngularJS. Using an MVC model, I developed HTML Views, styled and positioned with Bootstrap, as well as the controlling Javascript to handle user requests and product purchases. To ensure correct security and handling of data, I wrote routes on the NodeJS server to handle API requests and communicate product transactions stored on our MongoDB database.

USGS Astrogeology Center – *Student System Administrator* 7/2016-7/2018

TechStack(*Python/PowerShell/Ansible/Docker*)

Internship with the U.S. Geological Survey troubleshooting and maintaining systems, networks, and software used daily by researchers. In order to speed up remote installations and configuration I wrote Python subnet scripts for Windows hosts and managed deployment of Linux writing YAML configuration through Ansible Playbooks. Alongside this I frequently tested software compliance via Docker containers to ensure security rollouts and new Linux builds would be compatible with researcher's software.

PROJECTS

Capstone Project–Smart Grocery Application *Lead Front End Developer* 8/2017-5/2018

TechStack(*React-Native/Router-Flux/Redux/Thunk/Firebase/Jest*)

Through a waterfall development cycle in which our team of 4 developers interviewed our client to ascertain key requirements, we developed a React-Native mobile application to serve as a grocery list writing service, that crowdsources product information of shoppers' stores and provides price comparison services. I implemented the front end architecture with Flux for routing and Redux for tight control of application state. Product prices changed based on user submitted information, meaning I designed an API for re-rendering state based on RESTful Firebase data updates. Testing done with Jest snapshots.