

Timothy Holmes

Senior Full Stack Engineer

Experience

Capital One

Senior Software Engineer

July 2019 - Present

- Design and implement API for CMS agnostic content insights platform and enterprise metadata taxonomy manager using NodeJS, Hapi, MySQL, Docker, and AWS
- Maintain enterprise CMS products that serve dynamic content across the company, internally and externally, using Docker, Nuxeo, and AWS
- Created web application for viewing team tutorial videos with the Svelte JavaScript library
- Develop server side NodeJS libraries to centralize database connections in Hapi and Express servers
- Implement integration test suites for web APIs using Postman, Newman, and NodeJS

Software Engineer

August 2018 - July 2019

- Collaborated with a semi-remote team to develop suite of content validation products using VueJS, Vuex, NodeJS, Docker, and AWS
- Designed and implemented version two of an API for building surveys, gathering survey feedback, and displaying aggregated response data using NodeJS and Hapi
- Contributed UI components to power survey building API using VueJS, which led to an increase in customer engagement by 400%
- Built bespoke web experiences for internal customers, ranging from employee knowledge sites to external facing pages on capitalone.com, using VueJS, Vuex, NGINX, Docker, and AWS
- Taught learning sessions on web development to engineering groups covering topics such as functional programming, using OpenAPI with NodeJS, and JavaScript iterables

Homes.com

Experienced Developer

May 2017 - August 2018

- Used NodeJS, Hapi, and Solr to develop microservice which powers the site's search functionality and handles thousands of home searches per minute
- Led code review and pair programming sessions for mentorship of junior developers
- Implemented an integrated social platform for collaborative real estate searching using NodeJS, Hapi, and MongoDB
- Designed full stack application for monitoring relational health of social users' data using React, NodeJS, and MongoDB

- Collaborated with a team to implement a self-healing pattern for first party ad delivery system using Elasticsearch, RabbitMQ, and NodeJS
- Developed server side NodeJS libraries to centralize repeated code patterns, including logic for paginated requests, internal link generation, and microservice health checks

Associate Developer

April 2016 - May 2017

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- Developed and launched a new flagship site with AngularJS, Sass, and NodeJS, which decreased average web application load time by 10 seconds
 - Implemented NodeJS microservice to integrate with a third party business partner during sales lead submission, which increased recurring revenue by \$13,000 in its first quarter
 - Identified and presented performance bottlenecks of the web application to business stakeholders, focusing on client bundle size, rendering techniques, and ad loading times

StarChase

Web Development Intern

May 2015 - April 2016

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- Developed server application to track data emitted by GPS modules using Python, Twisted, and MySQL
 - Designed prototype web application to plot GPS tracking data using AngularJS, PHP, and Python
 - Implemented web based internal tools for tracking GPS battery health, task management, and simulating GPS data over TCP with Python, AngularJS, and PHP

Education

Old Dominion University, Norfolk, VA

2011 - 2016

Bachelor of Science in Computer Science

Community Engagement

TEALSK12: Prince Edward County High

Volunteer Teacher

August 2019 - January 2020

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- Led class lectures on the fundamentals of computer science
 - Provided instruction during class activities using the SNAP programming language
 - Collaborated with teaching team to develop presentation materials for lectures and projects
 - Provided one-on-one help with students

Contact

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