

Jim Walter

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TECHNICAL SKILLS

Front-End: JavaScript (ES6), ReactJS, jQuery, AJAX, CSS, HTML5, Responsive Design, ADA Compliance
Back-End: Node.js, Express, Java, MySQL, MongoDB, Mongoose, PostgreSQL
Testing: Jest, Enzyme, Mocha, Chai
Tools: Git, Docker, AWS, Heroku, npm, yarn, Webpack, Babel, Trello, Artillery.io, Knex
Techniques: Agile Development, Pair Programming, Test Driven Development, RESTful Design, Service-Oriented Architecture

SOFTWARE ENGINEERING EXPERIENCE

Contract Software Engineer | Guide [[Deployed Site](#)] MAY 2020 – AUG 2020

- Used ReactJS to build static website pages and handle user input for data collection and page routing
- Implemented client designs with high priority on responsive design and cross browser compatibility
- Created a contact form to collect user input and pass information to the appropriate API call
- Prioritized scalable and maintainable solutions and optimized content for search engine optimization
- Communicated with a remote team to manage deadlines and quality expectations
- **Technologies Used:** JavaScript, ReactJS, CSS, TypeScript, yarn, AWS S3

Full Stack Software Engineer | Used Vehicle Web Application [[Github](#)] FEB 2020 – APR 2020

- Worked with Agile methodologies on a four person development team to create, test, and improve a microservice for returning vehicle recommendations based on vehicle type and color
- Designed and efficiently populated PostgreSQL and MongoDB databases with 10,000,000 unique records
- Tuned database efficiency to minimize performance bottlenecks by utilizing indexing and a Redis cache
- Achieved 400% better query performance for Postgres and a 150% improvement for Mongo
- Created appropriate APIs using Node.js and Express, linking them to an inherited front end built with React
- Utilized Artillery.io to stress test the application, achieving up to 1,000 RPS locally
- Migrated database from local machine to AWS Postgres instance and horizontally scaled the service using Docker containers running on AWS EC2 t2.micro server instances to increase availability and reliability
- **Technologies Used:** JavaScript, ReactJS, Express/Node.js, Redis, PostgreSQL, Docker, AWS, Artillery, Knex

Full Stack Software Engineer | Neighborly Eats Web Application [[Github](#)] APR 2020 – MAY 2020

- Location-based, restaurant recommendation application
- Developed under strict three-day timeline to release a minimum viable product quickly
- Integrated Yelp Fusion API to populate results based on user input
- Deployed using Heroku CLI
- **Technologies Used:** JavaScript, ReactJS, Express/Node.js, Yelp Fusion, Heroku

SELECTED PROFESSIONAL EXPERIENCE

Carefree of Colorado | Manufacturing Engineer SEPT 2016 – JAN 2020

- Designed and specified electro-mechanical machines to automate manufacturing processes
- Utilized programmable logic controllers (PLC) to automate processes
- Achieved a 20% labor reduction and increased annual profit of replacement canopy products by \$3,000,000
- Proactively collaborated with other teams to ensure compatibility of existing production equipment
- Managed two Engineering Technicians during projects to concurrently build equipment and controls

EDUCATION

Galvanize | Hack Reactor Software Engineering Immersive Program FEB 2020 – MAY 2020

- 18 week full time in person software engineering bootcamp specializing in full-stack development

University of Nebraska – Lincoln | BS in Mechanical Engineering AUG 2009 – MAY 2014

- Received Engineer In Training (EIT) certification