Spencer Lepine

Full Stack Software Engineer

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TECHNICAL SKILLS

Front End | JavaScript (ES5 and ES6), React, HTML5, CSS3, MaterialUI, Redux, Axios
Back End | Node.js, Express, Firebase, PostgreSQL, MongoDB, RESTful API Development
Testing/Deployment | Jest, Testing Library, Heroku, AWS: EC2 / S3, Docker, NGINX
Developer Tools | Vim, Git, npm, Webpack, Babel, Agile Methodology, TDD

SOFTWARE ENGINEERING APPLICATIONS

Back End Engineer | Atelier-Products API – github.com/sdc-bareminimum/project-catwalk-related-service
An API serving retail product data built to handle demands of production level traffic.

- Built a multi-layer backend system with initial capacity of 100 rps then optimized to handle 5000 rps, maintaining 70 ms latency with a <1% error rate
- Increased fault tolerance and system availability for users by horizontally scaling proxy and service layers with **NGINX load balancers using a dynamic least connection algorithm.**
- Decreased stress testing cycle length by identifying and revising system bottlenecks using **Loader.io** and **K6**
- Simplified deployment process with **Docker** images to create **Node.js** server instances on **AWS EC2**
- Implemented continuous integration with **GitHub Actions** running unit and integration tests with **Jest**.

Full Stack Engineer | HelloHealth – github.com/Blue-Ocean-Team-1/HelloHealth - gallant-torvalds-547222.netlify.app
A mobile-responsive MVP that connects consumers to local farms with weekly subscription meal-kits.

- Collaborated with 8 engineers to build a minimum viable product in one week meeting client expectations.
- Integrated **Firebase Authentication** connected to **Context** hooks managing conditional page renders
- Set up continuous integration using pre-commit hooks, enforcing code styles, running **GitHub Actions**, and automated deployment to **Netlify**
- Designed detailed wireframes as the UI owner to match business requirements and user stories
- Practiced test-driven development with **React Testing Library** and **supertest** for unit testing
- Developed backend API endpoints linking to the PostgreSQL with the Sequelize ORM.

EXPERIENCE

Information Technology Specialist (25B)   United States Army Reserves Feb 2021 - Present

- Secret Clearance (Pending)
- Completed 10 week Basic Combat Training, followed by 20 week Advanced Individual Training.
- Installing, operating and maintaining computer systems (i.e. networks, hardware and software)
- Planning, designing, and testing computer systems

Personal Shopper   Instacart March - July 2021

- Performing timely and personalized no-contact grocery delivery
- Managing online batch orders through the mobile app
- Navigating local grocery stores and delivery routes

EDUCATION

Hack Reactor   *Seattle, WA*   Advanced Software Engineering Immersive Program   2021
13-week software engineering immersive program with over 1000+ hours of coding. Full-Stack development with JavaScript, React, Express, PostgreSQL, MongoDB, and MySQL in an AGILE environment.