Spencer Lepine

Full Stack Software Engineer

Seattle, WA (Open to Remote) | Secret Clearance | spencerlepine26@gmail.com | (603) 605-4260

linkedin.com/in/spencer-lepine | github.com/spencerlepine | spencerlepine.com

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, GitHub Actions
Developer Tools | Vim, Git, npm, Webpack, Babel, Agile Methodology, TDD

SOFTWARE ENGINEERING APPLICATIONS

Full Stack Software Engineer | Woofer – github.com/spencerlepine/woofer
Pet-themed dating app built with MERN stack; Mobile responsive; Complete with CI/CD pipeline.

- Operated a **MongoDB** Atlas NoSQL database managing user profiles, zip code groups, and yes/no match records
- Built real-time chat feature with **Socket.io** with persistent message history stored in the database
- Integrated **Firebase** Authentication to manage user accounts, and verify tokens for the backend API requests
- Automated a **CI/CD** pipeline with Jest, **GitHub Actions**, Docker, and AWS EC2
- Developed with a ticket system and feature branches, while following schemas and UI wireframes
- Practiced test-driven development with Jest, **React Testing Library,** Supertest, and **Puppeteer**

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**

EXPERIENCE

Information Technology Specialist (25B)   United States Army Reserve   Nov 2021 - Present

- Completed 10 week Basic Combat Training and 20 week Advanced Individual Training with on-the-job instruction
- Installing, operating and maintaining computer systems (i.e. Windows Server, Active Directory)
- Designed and implemented network topologies with subnetting and VLANs
- Built and connected local networks by configuring routers, switches, email server, with troubleshooting

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 HTML, CSS, JavaScript, React, Node.js, PostgreSQL, MySQL, and MongoDB NoSQL, in an AGILE environment.