

# Spencer Lepine

## Full Stack Software Engineer

Seattle, WA | [spencerlepine@gmail.com](mailto:spencerlepine@gmail.com) | (603) 605-4260 | [linkedin.com/in/spencer-lepine](https://www.linkedin.com/in/spencer-lepine) | [github.com/spencerlepine](https://github.com/spencerlepine)

## TECHNICAL SKILLS

---

**Front End** | JavaScript (ES5 and ES6), React, HTML5, CSS3, Redux, Axios

**Back End** | Node.js, Express, Firebase, PostgreSQL, MongoDB, RESTful API Development

**Testing/Deployment** | Jest, Testing Library, AWS: EC2 / S3

**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](https://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 70ms 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](https://github.com/Blue-Ocean-Team-1/HelloHealth) – [gallant-torvalds-547222.netlify.app](https://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

---

### 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
- Engaging with customers to find replacement items

### Cashier

Market Basket September - June 2021

- Managing a cash register and handling customer checkouts
- Engaging with and bagging items for customers
- Maintaining store appearance and processing overstock

## 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.