

# Spencer Lepine

## Software Engineer

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

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## TECHNICAL SKILLS

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**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

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**Full Stack Software Engineer** | SquidShop - [github.com/spencerlepine/squidshop-ecommerce](https://github.com/spencerlepine/squidshop-ecommerce) - [squidshop.netlify.app](https://squidshop.netlify.app)

*Ocean-themed ecommerce web app connected to microservice architecture backend.*

- Designed modern and responsive frontend with **React**, **Material UI** and **TypeScript**
- Developed decoupled microservice architecture **Node.js** backend with **RESTful API** services and gateway API, running **Docker** containers
- Wrote unit, integration, and end-to-end tests with **Jest** and **Cypress**
- Secured client and server authentication with JSON Web Tokens (**JWT**), storing tokens securely HttpOnly cookies
- Managed the **MySQL** relational and **Cassandra** NoSQL databases to optimize scaling for each use case
- Automated continuous integration with **GitHub Actions**, enforcing **ESLint** code styling, testing, and building images
- Automated scanning for static code and Docker images, tied with **Dependabot** to prevent known security vulnerabilities

**Front End Engineer** | Quickcart - [github.com/spencerlepine/quickcart](https://github.com/spencerlepine/quickcart) - [grocery-client-sl.herokuapp.com](https://grocery-client-sl.herokuapp.com)

*A grocery product catalog to assist budgeting and managing a shopping list stored in the cloud.*

- Created a clean and modern user experience with **Material UI** following **Figma** wireframes and site-wide color theme
- Organized state management for products, account information, and carts with **React** context hooks also persisted in the database
- Designed a **Firebase** Cloud Firestore **NoSQL** database managing user records, grocery product catalogs, and cart purchase histories
- Integrated **Firebase Authentication** storing user-specific shopping lists, along with customized product records
- Implemented barcode scanning and external records from the **OpenFoodFacts API** to onboard new products

## EXPERIENCE

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**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

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**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.