

# Jesse C Peterson

Seattle, Washington

[www.jessepeterson.dev](http://www.jessepeterson.dev)

## Summary

Motivated Full-Stack Developer with a strong foundation in **JavaScript, TypeScript, Java, plus additional experience in C and C++**. Experienced in **building scalable applications, deploying cloud infrastructure (AWS), and API development**. I am passionate about **Site Reliability Engineering (SRE) and Full-Stack Development**, with a focus on optimizing system performance, security, and flexibility.

## Skills

**Programming Languages:** JavaScript, TypeScript, Java, C, C++, Python

**Frontend:** Angular, Svelte Kit, HTML, CSS

**Backend:** Node.js, Express.js, MongoDB, REST APIs, RabbitMQ, MinIO

**Cloud & DevOps:** AWS (S3, API Gateway, Lambda, IAM, Route53, CloudFront), Docker, Docker Compose, Cloudflare, Ngrok

**Security & Authentication:** AWS IAM, STS

**Tools & Version Control:** Git, GitHub, VS Code, Android Studio, Postman

**System Integration:** Discord, Google, Shopify, Zoom

**Testing Tools:** Playwright, JUnit

**Operating Systems:** Linux, Windows, macOS

## Projects

Portfolio **Single-Page-Application** ([www.jessepeterson.dev](http://www.jessepeterson.dev))

- **Tech Stack:** Angular, AWS S3, API Gateway, IAM, MongoDB
- Developed a portfolio SPA hosted on **AWS S3** with **API Gateway**
- Integrated **IAM Signature Authentication** for secure API access
- Designed **serverless architecture** via AWS Lambda + API Gateway
- Secured connectivity between **MongoDB Atlas** to **AWS** through **AWS VPC**

Inventory Management Android Application([github.com](https://github.com))

- **Tech Stack:** Java, XML, SQLite
- Built an **Android** application for tracking inventory
- Used **SQLite** for local data persistence (user preferences, credentials and inventory).

- Built a user-friendly interface following Android's principles in design

#### Trucking Database Project ([github.com](https://github.com))

- **Tech Stack:** JavaScript, Node.js, MySQL
- Built a CLI application for **CRUD** operations from a **MySQL** database
- Integrated external API to enrich data inserted into the database
- Utilized NPM packages, Commander.js and inquirer.js for an improved CLI experience
- Applied regex and other methods for mitigating SQL injection.

## Work Experience

### EQuick – Software Engineer (09/2025 – Present)

- **Tech Stack:** Node.js, Typescript, Playwright, Vite, NPM, MongoDB, React/Preact
- Updating dependencies to **mitigate vulnerabilities** and improve security.
- Converting the build tool from **Parcel** to **Vite**, enabling modern tooling and streamlined configuration.
- Conducting regression testing to ensure application stability post-migration.

### Experiences App – Full Stack Developer (07/2025 – Present)

- **Tech Stack:** Node.js, Typescript, Vite, SvelteKit, Shopify GraphQL API, MinIO/S3, RabbitMQ, MongoDB
- Migrated legacy code to new framework
- Collaborated with senior developers to enforce clean, secure coding practices and apply constructive feedback effectively.
- Designed and executed **MongoDB** migration strategy for user data across application versions.
- Implemented image upload system integration with **MinIO/S3**, synchronizing user updates with **Shopify** stores.

### Pedestrian Tactics – Full Stack Developer (05/2025 – Present)

- **Tech Stack:** SvelteKit, Node.js, TypeScript, WebAssembly, C, Docker, MongoDB, MinIO/S3
- Collaborated with the founder to lead the development of the project
- Built and maintained a full-stack web application using **SvelteKit**
- Orchestrated infrastructure using **Docker** and **Docker Compose**, containerizing key services including **MongoDB** for data storage and **MinIO/S3** for scalable object storage
- Engineering a high-performance **image processing** pipeline by compiling **C** libraries to **Web Assembly**, enabling in-browser conversion of image formats at native-like speed.

- Developed C library for Exif metadata extraction, integration with Web Assembly to return results as JSON objects.
- Gained hands-on experience with low-level memory management, buffer handling, and efficient data encoding in a Web Assembly context.

**Garage Force – Concrete Coating Installer** (07/2024 – 07/2025)

- Adapted to **fast-paced** environments requiring precision **teamwork**.
- **Troubleshoot** technical challenges on-site, ensuring smooth operations

**Starbucks – Barista** (09/2023 – 06/2024)

- Enhanced **teamwork** and customer engagement

**Costco – Food Service & Stocking Member** (08/2022 – 08/2023)

- Managed high-volume tasks efficiently.

## Education

**Southern New Hampshire University** (08/2023 – 12/2024)

**Bachelors of Science in Computer Science** (GPA: **3.955** - Summa Cum Laude)

**Lake Washington Technical Academy** (09/2021 – 03/2023)

**Associates of Science in Computer Science** (GPA: **3.8**)