

Education

Tufts University

Bachelor of Science in Computer Science, School of Engineering

Medford, MA

Class of 2019

Technical Skills

Frontend Technologies: React, TypeScript, JavaScript, D3, Material-UI (MUI), React Hook Form, Zustand, Jest, RTL, Playwright

Backend Technologies: Java, Spring Boot, Spring Security, Spring Data JPA, Hibernate, PostgreSQL, Maven, Python, FastAPI

Authentication & Security: Auth0, JWT, OAuth, Role-based access control (RBAC), 2FA/TOTP

Tools & Platforms: Git, Docker, Node.js, Express.js, Webpack, Babel, ESLint, GitHub Actions, HubSpot API

Other: EDI integration, Invoice generation, PDF reporting, Email automation, Timezone handling, Internationalization (i18n)

Experience

EAI Technologies

Vienna, VA

Software Engineer

April 2021 – Present

- Developed and maintained full-stack web and mobile applications for multiple clients in the intermodal shipping and logistics industry, contributing over 2,000 commits across various projects
- Collaborated directly with clients to gather requirements, provide technical consultation, and deliver solutions tailored to their operational workflows

Tideworks Technology – Mobile Applications for Terminal Operations

- Built three React mobile applications for intermodal terminal operations, supporting yard inventory management, crane and UTR work orders, and vessel loading/unloading operations
- Developed real-time yard inventory tracking system enabling workers to locate and update intermodal equipment status across Ground Inventory, Wheeled Inventory, and Heap Inventory views
- Implemented crane and UTR operator workflow for receiving and completing real-time work orders, coordinating container movements between vessel, yard, and rail locations
- Designed and implemented Redux state management patterns and sagas for complex data synchronization across offline-capable mobile clients

ITI Intermodal × MRS-CMC × VEM Logistics – Terminal Management Platform

- Architected and developed full-stack terminal management system using React and TypeScript on frontend and Spring Boot, Java, PostgreSQL on backend, serving both internal terminal administrators and external customers
- Implemented comprehensive gate operations module for tracking equipment entry/exit with automated lift event generation, stacked equipment handling, and draft transaction workflows
- Built complex storage invoicing system with configurable billing rules, customer contracts, zoned date handling, and automated charge calculations for chassis lifts, digs, and container storage
- Developed role-based access control (RBAC) system with granular permissions supporting multiple user types across terminal operations
- Created dynamic reporting system with timezone-aware transaction exports, inventory reports, and interchange documentation
- Integrated EDI (Electronic Data Interchange) for automated booking and redelivery validation against trucking company rules

TOTE Group – Carlile Transportation – MyConnect Shipment Management

- Contributed to customer-facing shipment management platform connecting Tacoma and Alaskan ports, focusing on pickup appointment scheduling and notification systems
- Developed appointment management features including creation, updates, cancellations with real-time status synchronization and success notifications
- Implemented image handling system for shipment documentation with thumbnail generation, sequential fetching, and modal viewing using React Context
- Built paginated parcel search with case-insensitive filtering, receipt date tracking, and payment reminder automation
- Integrated Spring Boot backend with AWS services for scalable shipment data processing and storage

Kasm Technologies – License Manager Platform

- Built full-stack license management system from scratch using React, TypeScript, Material-UI, and Node.js backend with HubSpot integration
- Implemented Auth0 authentication with 2FA/TOTP support and comprehensive Playwright end-to-end test suite with automated cleanup
- Developed customer lifecycle management including creation, updates, deletion with bidirectional Kasm license server synchronization and error handling
- Created sales partner portal for managing end-user licenses with real-time status updates and company relationship tracking

Summary

Full-stack software engineer with 5 years of experience building web and mobile applications for the logistics and shipping industry. Specialized in React, TypeScript, and Spring Boot with proven ability to deliver complex, production-ready systems for terminal operations, inventory management, and customer portals. Strong track record of direct client collaboration, translating operational requirements into scalable technical solutions.