Aathavan Sri

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Experience

Software Developer & Marketing Coordinator Jul 2021 – Present
World Cargo Marketing | TypeScript, Next.js, NestJS, PostgreSQL, Docker *Vancouver, BC*

- Built a freight CRM integrating website leads, geocoding, Gmail, shipment data, and document workflows through REST APIs and authenticated webhooks
- Designed an 11-stage operational pipeline with relational data models, role-based access, validation, audit logs, and responsive customer and administrative interfaces
- Delivered a secure document portal with encrypted uploads, e-signatures, and PDF generation supporting 150+ customers per month
- Configured GitHub Actions to run Jest tests and production builds, supporting consistent verification before deployment

Flutter Mobile Developer Intern Sep 2025 – Dec 2025
TownSquare | Flutter, Dart, ASP.NET Core, OpenAPI, SQLite, Agile *Vancouver, BC*

- Built mobile features across 10+ screens for event discovery, memberships, vendors, bookmarks, and authentication within a cross-functional Agile team
- Integrated authenticated REST APIs and implemented SQLite caching that reduced redundant API requests by 45%
- Separated UI, networking, and persistence components to improve maintainability, responsiveness, and testing

Software Architect & Backend Developer, Practicum Mar 2025
WorkSafeBC | Python, Flask, Azure OpenAI, ETL *Richmond, BC*

- Developed a conversational forecasting application with Flask APIs, deterministic calculations, and automated Excel reports and charts
- Built an ETL pipeline processing 15K+ records per run with validation, fallback handling, and diagnostic logging

Projects

Salon Booking Platform | *TypeScript, React, Astro, Hono, PostgreSQL, Docker*

- Delivered four coordinated applications for a real salon using a shared REST API, relational domain model, JWT authentication, Zod validation, and reusable design system
- Deployed containerized services behind automatic HTTPS with health checks and persistent storage on a Linux VPS

Hosted AI Platform | *TypeScript, Express, Python, FastAPI, PostgreSQL, Docker*

- Connected an authenticated web client and TypeScript API to a separately deployed Python inference service with usage tracking and API-key controls
- Documented REST endpoints with OpenAPI and added role-aware administration, saved-prompt workflows, and per-user activity reporting

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL, Dart, Java, C, C++
Frontend: React, Next.js, Astro, Flutter, HTML, CSS, Responsive UI
Backend & Data: NestJS, Node.js, Express, Hono, Flask, FastAPI, REST APIs, PostgreSQL, SQLite
Tools: Docker, Git, GitHub Actions, Jest, Linux, Azure, OpenAPI, Agile

Education

British Columbia Institute of Technology Vancouver, BC
Computer Systems Technology – AI & Machine Learning Specialization, With Distinction *2025*

University of British Columbia Vancouver, BC
Bachelor of Science – Combined Major in Science (Computer Science, Physics, EOSC) *2022*