Aathavan Sri

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Experience

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

- Built backend services for a freight CRM integrating lead capture, geocoding, Gmail, shipment tracking, and document workflows through REST APIs and authenticated webhooks
- Designed PostgreSQL schemas and modular APIs for an 11-stage workflow with role-based access, input validation, audit logs, and server-only credential boundaries
- Integrated multiple carrier APIs to automate shipment tracking and 150+ customer notifications, reducing manual follow-ups by 62%
- Configured GitHub Actions to run Jest tests and production builds on pushes and pull requests

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

- Designed Flask services and a modular handler pipeline for a conversational financial forecasting system
- Separated language-model interpretation from deterministic financial logic and added structured validation, fallback handling, and diagnostic logs
- Built an ETL pipeline processing 15K+ records per run and automated the generation of Excel workbooks and charts

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

- Integrated authenticated ASP.NET Core APIs and built repository and caching layers that reduced redundant requests by 45%
- Separated networking, persistence, and presentation components across 10+ application screens
- Worked within an Agile team to trace integration issues, communicate blockers, and deliver maintainable client-server features

Projects

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

- Built a service-oriented platform connecting an authenticated TypeScript API, PostgreSQL database, and independently deployed Python inference service
- Implemented JWT and API-key authentication, request limits, usage counters, OpenAPI documentation, and private credential isolation

Salon Booking Platform | *TypeScript, Hono, PostgreSQL, Drizzle, Zod, Docker*

- Designed a shared REST API and relational domain model for booking and administration workflows used by four coordinated applications
- Deployed containerized services with automatic HTTPS, health checks, persistent storage, and resource tuning on a Linux VPS

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL, Java, Dart, C, C++
Backend: NestJS, Node.js, Express, Hono, Flask, FastAPI, REST APIs, OpenAPI, Webhooks
Data & Security: PostgreSQL, SQLite, Prisma, Drizzle, Relational Modeling, JWT, RBAC, Validation
Infrastructure & Quality: Docker, Git, GitHub Actions, Jest, CI/CD, Linux, Azure, Logging

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*