

Aravindh Subramaniyan

+91 8680947556 | aravindh30x@gmail.com | github.com/aravindh99 | [linkedin.com/in/aravindh99](https://www.linkedin.com/in/aravindh99) | portfolio.avenra.org

SUMMARY

Product-oriented Software Engineer with 5+ years of experience designing, building, and deploying production software across web platforms, backend systems, and cloud infrastructure. Experienced in TypeScript, JavaScript, Rust, distributed systems, and database architecture. Founded Avenra, building SaaS, ERP, and AI-powered products from architecture through production deployment.

SKILLS

- **Languages:** Rust, TypeScript, JavaScript, C, SQL
- **Backend & Systems:** Node.js, Express, NestJS, Axum, Tokio
- **Frontend:** React, Next.js, Tailwind CSS, htmx, Three.js, Figma
- **Distributed Systems:** Microservices, Event-Driven Architecture, Apache Kafka, Message Queues, WebSockets
- **Databases & Search:** PostgreSQL, MySQL, MongoDB, Redis, SQLite, Elasticsearch, ChromaDB
- **Cloud & Infrastructure:** GCP, AWS, Docker, Kubernetes, Terraform, Linux, GitHub Actions
- **Architecture & AI:** REST, GraphQL, gRPC, Vertex AI, RAG Pipelines, LLM Integration

EXPERIENCE

Founder & Lead Engineer

Jun 2026 — Present

Avenra

Remote

- Founded and architected SchoolIQ, a multi-tenant school management SaaS with an administrative portal and student PWA.
- Engineered modular backend services in Node.js, Express, and PostgreSQL, implementing BullMQ background job queues, real-time chat, and WhatsApp notification pipelines
- Built a curriculum-aware RAG pipeline using ChromaDB and Google Cloud Vertex AI for textbook-grounded tutoring, automated exam paper generation, and lesson planning
- Managed cloud infrastructure on GCP (Compute Engine, Cloud Storage), Google Maps API vehicle telematics, and automated GitHub Actions CI/CD pipelines
- Architected Ithihasa (ithihasa.co.in), an e-commerce PWA with merchant management, and engineered an internal manufacturing ERP platform for Cheran Groups

Senior Software Engineer

Aug 2024 — Mar 2026

XTown

Coimbatore, India

- Led an 8-member engineering team, overseeing technical architecture, code reviews, sprint execution, and production delivery
- Architected and delivered enterprise ERP and CRM platforms, along with custom web applications for diverse business requirements
- Established engineering standards, ensured code quality, and mentored junior developers across project teams

Contract Software Engineer

Oct 2025 — Nov 2025

Noukha Technologies

Coimbatore, India

- Spearheaded rapid full-stack development for a UK-based client platform ([intuitionx](https://intuitionx.com)), delivering a complete web app and backend microservices within 30 days, collaborating in an agile team to ship production releases

Software Consultant

Jul 2021 — Aug 2024

Self-employed

Remote

- Delivered bespoke web applications and commercial business websites for regional clients, managing full delivery from client requirement discovery and Figma designs through production deployment

Software Intern

May 2019 — Aug 2019

RheinBrücke IT Consulting

Chennai, India

- Contributed to enterprise software development, gaining practical experience with Apache Kafka, relational database design, and agile team workflows

EDUCATION

Coimbatore Institute of Technology

Coimbatore, India

Master of Science, Software Systems (Integrated)

2016 — 2021