

Amit Kumar Gupta

+91 6392995549 | aaravamit555@gmail.com | LinkedIn | Portfolio | GitHub | LeetCode

EDUCATION

National Institute of Technology Calicut
B.Tech in Production Engineering CGPA: 7.23

Kozhikode, Kerala, India
Dec 2021 – May 2025

EXPERIENCE

Junior Software Engineer @ Tedekstra

Tech: Node.js, TypeScript, NestJS, Express.js, React.js, Next.js, Zustand, React Query, Axios, Azure

Nov 2025 – Present

- Developed scalable **CRM backend services** using **NestJS** and **TypeScript**, leveraging modular architecture, dependency injection, and layered design to improve code maintainability and reduce feature development time by **25%**.
- Built and optimized frontend CRM dashboards with **React.js** and **Next.js**, using **Zustand** for predictable state management and **React Query** for efficient server-state caching, reducing data fetch latency by **35%** and improving UI responsiveness.
- Standardized API communication with **Axios** and DTO-based validation, improving error handling consistency and reducing redundant network requests by **30%**, resulting in more reliable client-server interactions.

Fullstack Engineer - Internship @ Milanam

Tech: Node.js, Express.js, TypeScript, MongoDB, Mongoose, Turborepo, Docker, JWT Authentication, Scalable API Design, Async Logging

Sep 2025 – Nov 2025

- Spearheaded development of a **service marketplace platform** in a monorepo setup, reducing build times by **30%** and streamlining collaboration across frontend (React + Vite) and backend (Express.js + TypeScript).
- Led delivery of **post creation and provider assignment workflows**, enabling clients to publish requests and assign providers, projected to support **10K+ monthly service interactions** across multiple cities.

PROJECTS

Automation Platform - TriggerHub GitHub

Nov 2024 – Jan 2025

Tech: TypeScript, Next.js, Node.js, PostgreSQL, Kafka, Prisma, Zod, Solana Web3.js

- Built a **workflow automation platform** with React Flow UI and conditional pipelines, reducing manual task handling by **60%** for sample workflows.
- Spearheaded adoption of the **Transactional Outbox Pattern** with a resilient Kafka event system, achieving **99.99% delivery reliability** at **100K+ events/day** scale.
- Integrated **Web3 automation**, enabling Solana transactions and smart contract calls, cutting crypto transfer latency by **40%**.

Real-Time Exchange Platform GitHub

May 2025 - Aug 2025

Tech: TypeScript, Next.js, Express.js, Redis, WebSockets, TimescaleDB, Real-Time Systems, High Availability

- Developed a high-frequency crypto exchange capable of handling **10K+ orders/sec** with Redis Pub/Sub and WebSockets, ensuring **sub-50ms latency** for trade execution.
- Leveraged TimescaleDB for combined **real-time + historical analytics**, increasing query efficiency by **35%** and improving dashboard responsiveness.
- Delivered a production-grade Next.js interface with **99.9% uptime**, supporting simulation of **500K+ daily transactions**.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, C++, Python, Java, GoLang, SQL, C, Solidity

Frontend: React.js, Next.js, Redux, Context API, Recoil, TailwindCSS, HTML, CSS

Backend: Node.js, Express.js, REST APIs, WebSockets, Kafka, WebRTC, Prisma, Postman

Databases: PostgreSQL, MongoDB, Redis, TimescaleDB

Cloud & DevOps: AWS, Docker, Kubernetes, Git, GitHub, CI/CD pipelines

Blockchain: Solana Web3.js, Ethers.js, Wallet Adapter, Smart Contract Integration, On-chain Transactions

EXTRA-CURRICULAR ACTIVITIES

Winner, All India NIT Volleyball Tournament

Feb 2025 & Mar 2024

Participant, South Zone Inter-University Men's Volleyball Tournament

Dec 2022, 2023

ACHIEVEMENTS

Solved 250+ Problems on Leetcode

Contentstack for Developer + Launch and the Hackathon