Ankush Verma

Senior Software Engineer | Full-stack & Backend Systems

ankushvermagb@gmail.com +91 7018489947 Noida, India ankushverma.in github.com/aver343

linkedin.com/in/aver343

Summary

Full-stack developer with **6+ years** of experience building web applications and backend services in Go, Node.js and React, focused on performance and scalability. Currently building real-time classroom features for a US EdTech platform.

Skills

Backend: Go (Golang), Node.js (Express.js, NestJS), REST APIs, WebSockets, Microservices

Frontend: TypeScript, JavaScript, React.js, Next.js

Data & Messaging: SQL, PostgreSQL, MongoDB, Redis, Prisma, Kafka, RabbitMQ, NATS

Cloud & Tools: AWS (EC2, S3), Docker, Kubernetes, Git

Experience

Senior Software Engineer, Taazaa (Brainingcamp) | Noida **Sep 2022 – Present**

- Delivered Node.js and Go backend features for an EdTech platform with **100k–300k** daily active users and 5x school-term peaks.
- Developed a **file-sharing service** in Go (Golang) using AWS S3, used by teachers and students thousands of times per day.
- Engineered core features, including a **real-time answer-checking engine** for math activities and faster canvas object snapping.
- Designed a **versioned checkpoint model** with a deprecation path, keeping grading identical across 5+ app versions.
- Created a live classroom view streaming each student's work to teachers over WebSockets, peaking near **10,000** concurrent users.
- Implemented remote screen control so teachers can guide students live, with a handoff lock and role-based access control.
- Collaborated with the CTO of Brainingcamp (US) on technical direction, shaping requirements and design decisions.

Software Engineer, William O'Neil | Bangalore **Aug 2021 – Sep 2022**

- Migrated the platform from Java to Node.js with minimal downtime, cutting response times **25%** and infrastructure costs **15%**.
- Rewrote blocking back-end processes and APIs as asynchronous Node.js flows with efficient data handling, improving reliability.
- Identified and removed bottlenecks in legacy JavaServer Pages (JSP) through profiling, improving application performance **20%**.
- Reduced page load times by **40%** by rebuilding the front end using server-side rendering (SSR).

Application Developer, HealthSetGo | Gurgaon **Oct 2020 – Aug 2021**

- Managed the front end, back end and deployment of all applications as a new joiner, releasing with zero downtime.
- Built React front ends and Node.js services, reducing data processing time and contributing to a **15%** rise in user engagement.
- Optimized PL/SQL queries, converting correlated subqueries to joins, and added Redis caching, making data retrieval **25%** faster.
- Re-engineered transactional email onto a Redis-backed queue, removing send latency from the request path.

Projects

Ticketing Marketplace (course capstone)

Built microservices in Node.js on Docker and Kubernetes, with NATS Streaming and optimistic concurrency control.
github.com/AVER343/ticketing-app-micro-node

Education

B.Tech (CSE), Baddi University | Himachal Pradesh, India **2016 – 2020**

CGPA: 7.59/10