Amey Gupta

📞 +91-8510856484   ✉ amey160202@gmail.com   in amey-gupta-282763210   ⊙ Amey1619   🔗 Portfolio

Education

Indian Institute of Information Technology Sonepat   *December 2020–July 2024*
*B*achelor of Technology in Information Technology- CGPA: 8.5/10

Technical Skills

Languages: C++, C, Javascript (ES6), Typescript, SQL
Libraries/Frameworks: Node JS, Nest JS, React JS, Express JS, Redux
Database and Tools: MongoDB, MySQL, DynamoDB, Git, Redis, AWS (EC2, S3, Lambda, SQS), Jira

Experience

Software Engineer Intern   *Mumbai, (on-site)*
The Sleep Company   *Sept 2024 – Feb 2025*
- Migrated the notification service to a complete server configuration, cutting API latency from **105 to 15 ms** and improving performance.
- Designed **Role-Base-Access (RBAC)** for API-level access in the POS system using Redis for permission caching and JWT auth, boosting **efficiency by 40%**.
- Built an AWS API Gateway to trigger quote-expiry actions, boosting sales by **8%** via timely lead generation.
- Developed **pagination** for DynamoDB queries, improving data retrieval speed and efficiency by 100x.
- Implemented **error handling, logging**, and **performance monitoring** to enhance system efficiency and stability.
- **Tech Stack and tools:** MongoDB, DynamoDB, Redis, Node.js, Express.js, React.js, Nest.js, Git, Jira

Full stack Intern   *Remote*
The NullClass   *Jan 2024 – May 2024*
- Built a modular front-end and landing pages using **ReactJS**, emphasizing a user-friendly interface.
- Built **RESTful APIs** in Agile, streamlining data flow for smooth front- and back-end integration.
- **Tech Stack and tools:** MongoDB, Node.js, Express.js, React.js, Git.

Projects

Talk-A-tive | JavaScript, React JS, Node JS, Express, MongoDB, WebSocket | ⊙ ↗
- Built a real-time social platform with **WebSockets**, supporting one-on-one and group chats.
- Implemented features such as friend search, media sharing, group creation, and real-time notifications.
- Built robust RESTful APIs with Node.js/Express using **MVC architecture** for low-latency scalable systems.
- Fuzzy matching search functionality to help users quickly find friends and group chats.

Easy-ticketing | TypeScript, Node JS, Express, MongoDB | ⊙ ↗
- Built a back-end ticketing system REST API for efficient customer support ticket management.
- Ticket Management, Agent Assignment, Reassignment, Comments, Real-time Updates, Email Notifications.
- Define secure authentication and access control mechanisms using **(JWT)** and **Role-Based Access Control**.
- Using **Docker** for seamless deployment and performing a thorough testing with **Jest** for reliability.

ReqLimiter | TypeScript, Nest JS, Redis | ⊙
- Developed with **NestJS-style architecture** with modular services, Redis client integration, and health checks
- Integrated **Redis Lua scripts** for atomic operations like request tracking, abuse detection, and IP banning.
- Enabled **dynamic abuse control** by tracking violator thresholds and applying temporary bans.
- Wrote **unit and integration tests** using Jest to validate rate limiting, ban logic, and Redis operations.

Achievements

- Solved more than 400 questions on Leetcode ↗ Contest Rating 1500+
- AWS Cloud Quest: Cloud Practitioner Certified. Link ↗