Mohd Mehfooz Alam Shaikh

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Associate Software Engineer

Ownership | Analytical | Problem-Solving | Teamwork | Discipline

Experienced **Associate Software Engineer with 2+ years of hands-on experience** in building **scalable backend systems and RESTful APIs**. Strong expertise in **Node.js, TypeScript, SQL and NoSQL databases**, and **AWS Serverless architectures**. Proven ability to design **secure, high-performance microservices**, integrate **third-party services**, and improve **API reliability and system uptime**. Effective collaborator with cross-functional teams to deliver **business-aligned, production-ready solutions**.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3
- **Backend Frameworks:** Node.js, Express.js, NestJS, Fastify, Serverless Framework
- **Frontend & Styling:** React.js, Tailwind CSS, Redux Toolkit
- **Databases & Caching:** PostgreSQL, MySQL, MongoDB, DynamoDB, Redis
- **ORMs & Data Modeling:** Prisma, TypeORM, Sequelize, Mongoose
- **Cloud & Infrastructure:** AWS (Lambda, EC2, SQS, SES, S3, RDS, API Gateway, CloudWatch), Docker, Nginx
- **DevOps & CI/CD:** GitHub Actions, GitLab CI, CI/CD Pipelines, Ubuntu, Linux
- **Testing & Monitoring:** Jest, Supertest, Grafana, Prometheus, Winston
- **Generative AI:** GPT-4o, Claude 3.5, DeepSeek, Prompt Engineering, LLM API Integration
- **Tools & Architecture:** Microservices, REST APIs, Swagger, Postman, DBeaver, Jira, Git

EXPERIENCE

Techstalwarts Software Development LLP   Mumbai, Maharashtra
Associate Software Engineer   *Dec 2023 – Present*

- Architected and delivered **end-to-end backend solutions** for **FinTech, EdTech, and Trading platforms** using **Node.js and TypeScript**.
- Designed and implemented **AWS Serverless architectures** using **Lambda, API Gateway, and SQS** to support **event-driven and asynchronous processing**.
- Engineered **secure authentication and RBAC systems** across **multi-tenant microservices**, ensuring **data isolation and access governance**.
- Improved **API performance and reliability by 24%** through **query optimization, caching strategies**, and proactive monitoring using **Prometheus and Grafana**.

Eduwiz   Mumbai, Maharashtra
Backend Developer Intern   *Feb 2023 – Aug 2023*

- Developed **core e-commerce backend services** using **Node.js and MySQL**, implementing **JWT-based authentication**.
- Integrated **third-party APIs** and maintained API documentation using **Postman**, ensuring smooth frontend-backend communication.

EDUCATION

Master of Science (M.Sc.) - **Information Technology**   Aug, 2023 - Nov,2025
University of Mumbai   Mumbai, Maharashtra

Bachelor of Science (B.Sc.) - **Computer Science**   Dec 2020 - April 2023
University of Mumbai   Mumbai, Maharashtra

PROJECTS

Centrum Capital (FinTech)

- Built a **RabbitMQ and Redis–based notification microservice** using **Node.js and TypeScript** for **email, SMS, and event-driven alerts**, integrating **AWS SES**.
- Developed **90+ REST APIs** across **borrower, lender, channel partner, loan, and RBAC modules**.
- Implemented **Redis-based deduplication** and **Winston logging**, improving **system reliability, auditability, and debugging efficiency**.

Algo-Trading Order Engine (Trading)

- Built a **serverless backend system** using **AWS Lambda, SQS, API Gateway, and Node.js** for **low-latency order execution**.
- Used **DynamoDB** for **high-performance trade logging** and **real-time webhook-based broker synchronization**.
- Implemented **CloudWatch monitoring and alerts** to ensure **scalability, reliability, and fault tolerance**.

Magic Bus (EdTech)

- Developed **43+ REST APIs** using **Node.js, TypeScript, Express.js, TypeORM, and MySQL** across **user, role, center, funder, and scoring modules**.
- Implemented **RBAC, biometric webhooks, and automated attendance processing**, securing **100% of critical endpoints**.
- Automated **score calculations and bulk Excel uploads**, reducing **manual operations by 60–70%**.

Helpie Event (EventTech)

- Built a **multi-tenant EventTech platform** using **Node.js, Express.js, and PostgreSQL**, delivering **85+ REST APIs** across **10+ modular services**.
- Implemented **JWT authentication and RBAC**, and integrated **AWS S3, SES, and SNS** for automated media storage and notifications.
- Reduced **code duplication by approximately 45%** and improved **feature delivery speed by approximately 35%** through reusable architecture.

Birla Estates Partner Connect (PropTech)

- Implemented **15+ REST APIs** using **Node.js, Express.js, and MySQL** for a **high-traffic partner platform**.
- Integrated **SendGrid** and **OneSignal** for automated email and real-time push notifications.
- Built **centralized logging and AWS S3-based media storage** to enhance **system reliability and auditability**.

DECLARATION

I certify that the information mentioned above is accurate to the best of my knowledge.