TASNIMUL MOHAMMAD FAHIM

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Education

BRAC University   Dhaka, Bangladesh
Bachelor of Science in Computer Science and Engineering   *2021-2025*

Technical Skills

Languages: JavaScript, Python, Java, SQL
Frontend: React, Next.js, Redux, Tailwind CSS
Backend: Node.js, Express, FastAPI, REST APIs, GraphQL
Databases: PostgreSQL, MongoDB, Redis, Prisma
Cloud & DevOps: AWS (Lambda, S3, RDS), Docker, GitHub Actions
AI/ML: OpenAI API, LangChain, Pinecone

Professional Experience

Software Engineer   Feb 2024 - Present
Glamour Technologies   *Remote*

- Architected and deployed 4 production-grade applications (e-commerce platform, CRM system) serving **10,000+ daily active users** across React, Node.js, and AWS cloud infrastructure
- Engineered real-time inventory management system reducing manual operational errors by **25%** and processing **50,000+ transactions monthly** using MongoDB with live synchronization
- Implemented automated CI/CD pipeline with GitHub Actions and AWS CloudWatch, achieving **82% deployment time reduction** and enabling **multiple daily releases** with zero-downtime deployments

Full Stack Developer   Jun 2023 - Feb 2024
Doin Inc.   *Remote*

- Delivered enterprise-grade role-based permissions system serving **40+ B2B clients** and **2,000+ end users**, reducing customer support tickets by **12%** through intuitive UX design
- Optimized React dashboard performance achieving **18% bundle size reduction** and **22% faster First Contentful Paint**, directly improving user engagement metrics and session duration
- Implemented responsive design principles ensuring consistent user experience across mobile and desktop platforms

Key Projects

IntelliMail - AI-Powered Email Management Platform   GitHub
- Built production-ready AI email client using advanced RAG (Retrieval-Augmented Generation) architecture, achieving **78% email classification accuracy** and processing **1,200+ daily API requests** with semantic search capabilities
- Designed scalable backend infrastructure on AWS with Gmail/Office365 integration, maintaining **99.9% uptime** while ensuring GDPR compliance and data security across multiple email providers
- Optimized PostgreSQL database with connection pooling and query optimization using Prisma ORM, achieving **45% performance improvement** (800ms $\rightarrow$ 440ms response time) under high concurrent load

ScaleShort - Distributed URL Shortening Service   GitHub
- Engineered high-throughput URL shortening service handling **2,500+ daily requests** with sub-150ms p99 latency using distributed caching strategies and horizontal load balancing
- Architected Redis-PostgreSQL hybrid storage system achieving **98.5% system availability** and reducing database load by **60%** for frequently accessed URLs through intelligent caching
- Built comprehensive analytics dashboard with asynchronous data processing using message queues, providing real-time insights without impacting core redirect performance

ChatPDF - Intelligent Document Interaction System   GitHub
- Developed serverless document processing application using AWS Lambda and S3, efficiently handling **1.2GB+ monthly uploads** with automatic scaling and 40% cost optimization through smart resource management
- Implemented sophisticated RAG pipeline with LangChain and Pinecone vector database, achieving **78% accuracy** for contextual Q&A on technical documents and research papers