

# TASNIMUL MOHAMMAD FAHIM

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## Professional Summary

Software Engineer with a proven record of building and scaling full-stack applications serving **150+ users** and processing over **1,200 daily API calls**. Expert in the **React/Next.js** ecosystem and **AWS**, delivering measurable impact through performance optimizations (up to **45% query improvement**) and workflow automation (**82% reduction in deployment time**).

## Education

**BRAC University**  
*Bachelor of Science in Computer Science and Engineering*

Dhaka, Bangladesh  
2021 – 2025

## Experience

### Full-stack Developer

*Glamour Technologies*

Feb 2024 – Jan 2025

*Dhaka, Bangladesh*

- Architected and delivered 4 full-stack applications (e-commerce, CRM) for small business clients, driving user engagement for over **50 daily active users**
- Owned the end-to-end development of a real-time inventory system (React, Node.js, MongoDB), reducing manual data entry errors by **25%** and providing mission-critical stock visibility for a local retailer
- Engineered and automated a CI/CD pipeline with GitHub Actions and AWS CloudWatch, slashing deployment time by **82%** (from 45 to 8 mins) and significantly improving release velocity and reliability

### Junior Web Developer

*Doin Inc.*

June 2023 – June 2024

*Dhaka, Bangladesh*

- Collaborated with Product and Design to develop a granular permissions page for **40+ enterprise clients**, directly reducing related support tickets by **12%** and improving customer self-service capabilities
- Improved frontend performance on a data-intensive dashboard by refactoring state management and implementing code-splitting, cutting the JS bundle size by **18%** and boosting First Contentful Paint by **22%**

## Projects

### IntelliMail - AI-Powered Email Client | *Next.js, TypeScript, OpenAI API, tRPC, Prisma, PostgreSQL, AWS*

[GitHub](#)

- Engineered a novel AI email client to combat information overload for **80+ beta testers**; architected a multi-stage RAG pipeline using the OpenAI API to enable high-accuracy semantic search and summarization
- Designed and deployed a scalable backend on AWS to handle **1,200+ daily API calls** for real-time synchronization with Gmail and O365, ensuring high availability and data consistency
- Proactively identified and resolved a query performance bottleneck, improving response time by **45%** (from 800ms to 440ms) under load by optimizing PostgreSQL schemas and implementing connection pooling with Prisma

### Scalable URL Shortener | *FastAPI, Python, React, PostgreSQL, Redis, Docker*

[GitHub](#)

- Architected a distributed URL shortening service designed for high availability and low latency, handling **2,500+ daily requests** with a p99 redirect latency of under **150ms**
- Implemented a Redis caching layer to front PostgreSQL, significantly reducing database load for high-traffic links and contributing to **98.5% uptime**
- Developed a real-time analytics dashboard (React, Recharts), leveraging a message queue to process click data asynchronously, decoupling analytics from the critical redirect path

### ChatPDF - AI Document Interaction Platform | *Next.js, LangChain, Pinecone, AWS Lambda, S3, Docker*

[GitHub](#)

- Built a cost-effective, serverless application for interacting with PDF documents, leveraging AWS Lambda and S3 to process over **1.2 GB** of data monthly across **200+** user uploads
- Designed and benchmarked a RAG pipeline using LangChain and Pinecone, achieving **78% accuracy** for contextual question-answering on a custom, domain-specific dataset

## Technical Skills

**Languages:** JavaScript/TypeScript, Python, Go, SQL

**Frontend:** React, Next.js, HTML/CSS, Web Performance Optimization, Responsive Design

**Backend:** Node.js, FastAPI, RESTful APIs, Microservices Architecture, tRPC

**Databases & Caching:** PostgreSQL, MongoDB, Redis, Prisma, Database Optimization

**Cloud & DevOps:** AWS (Lambda, S3, CloudWatch, CloudFront), Docker, Kubernetes, CI/CD, GitHub Actions