Tasnimul Mohammad Fahim

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Summary

Full-stack web developer with experience building web applications serving 150+ users and handling 1,200+ daily API calls. Demonstrated expertise in React, Next.js, and AWS with a track record of performance optimization and workflow improvements. Passionate about creating user-centric solutions that drive measurable impact.

Education

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

Experience

Full-stack Developer   Feb 2024 – Jan 2025
Glamour Technologies   *Dhaka, Bangladesh · Remote*

- Developed and delivered 4 full-stack web applications for small business clients, including an e-commerce platform and customer management system serving 50+ daily active users.
- Built a real-time inventory tracking system using React, Node.js, and MongoDB for a local retailer, reducing manual data entry errors by 25% and improving stock visibility.
- Set up CI/CD pipelines and basic monitoring using GitHub Actions and AWS CloudWatch, reducing manual deployment time from 45 minutes to 8 minutes and improving release reliability.

Junior Web Developer   June 2023 – June 2024
Doin Inc.   *Dhaka, Bangladesh*

- Developed with Product and Design teams a permissions page used by 40+ enterprise clients, reducing related monthly support tickets by 12%.
- Optimized frontend performance by refactoring a data-heavy dashboard, reducing JavaScript bundle size by 18% and improving First Contentful Paint by 22%.
- Conducted code reviews, mentored 2 junior developers, and increased test coverage for the main user module from 58% to 75% using Jest and Cypress.

Projects

IntelliMail - AI-Powered Email Client — GitHub
Tech Stack: Next.js, TypeScript, OpenAI API, tRPC, Prisma, PostgreSQL, AWS

- Engineered an AI-powered email client used by 80+ beta testers, integrating the OpenAI API to build a multi-stage RAG pipeline for semantic search and email summarization.
- Built 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.
- Improved query performance by 45% (from 800ms to 440ms) under load by optimizing PostgreSQL schemas and implementing connection pooling with Prisma.

Scalable URL Shortener — GitHub
Tech Stack: FastAPI, Python, React, PostgreSQL, Redis, Docker

- Architected a URL shortening service as a distributed system, designed to handle 2,500+ daily requests with a p99 redirect latency of under 150ms.
- Implemented a Redis caching layer in front of PostgreSQL, reducing database load for popular links and ensuring high-speed lookups and 98.5% uptime.
- Developed a real-time analytics dashboard using React and Recharts, processing click data asynchronously via a message queue to prevent impact on redirect performance.

ChatPDF - AI Document Interaction Platform — GitHub
Tech Stack: Next.js, LangChain, Pinecone, AWS (Lambda, S3), Docker

- Developed a serverless application for interacting with PDF documents, using AWS Lambda and S3 to process over 1.2 GB of data monthly across 200+ uploads.
- Built and evaluated 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, SQL, Go
Frontend & UI: React, Next.js, HTML/CSS, Responsive Design, Performance Optimization
Backend & APIs: Node.js, FastAPI, tRPC, RESTful APIs, Microservices
Cloud & Infrastructure: AWS (Lambda, S3, CloudFront), Docker, Kubernetes
Databases & Caching: PostgreSQL, Redis, Database Optimization, Query Performance
Testing & DevOps: Jest, Cypress, GitHub Actions, CI/CD