

Saha Junior Samay

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PROFESSIONAL SUMMARY

MERN Stack & React Native Developer with 4+ years of experience building and shipping production-grade web and cross-platform mobile applications. Proficient in JavaScript and TypeScript across the full stack - React and Next.js on the frontend, Node.js with Express.js or Hono on the backend, and React Native with Expo for iOS and Android. Experienced in designing RESTful and tRPC APIs, architecting scalable databases with MongoDB and PostgreSQL, and integrating AI-powered features using OpenAI and the Vercel AI SDK. Comfortable owning features end-to-end, covering system architecture, development, and CI/CD deployment on Vercel and AWS, while collaborating within agile and remote teams.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, SQL

Frontend: React, Next.js, Redux / Context API, Tailwind CSS

Mobile: React Native, Expo

Backend: Node.js, Express.js, Hono, REST APIs, tRPC

Databases: MongoDB, PostgreSQL

Cloud & DevOps: AWS (EC2, S3), Vercel, Docker, CI/CD, Git

AI & Integrations: OpenAI API, Vercel AI SDK

WORK EXPERIENCE

Saha Technology Services (Client: Saint Gobain)

Remote

Full-Stack & Mobile Developer (MERN + React Native)

May 2024 – Present

- Led development of production-grade **web applications (React, Next.js)** and cross-platform **mobile apps for iOS and Android (React Native, Expo)**, supporting **5,000+ active users** across both platforms
- Built and maintained **30+ RESTful and tRPC APIs** using **Node.js, Express.js, and Hono**, handling **20,000+ daily requests** across web and mobile clients
- Designed and optimized **MongoDB and PostgreSQL** schemas and queries, reducing average API response latency by **35%**
- Integrated **3+ AI-powered features** using the **OpenAI API and Vercel AI SDK**, enabling intelligent search, conversational interfaces, and automated workflows
- Implemented **CI/CD pipelines** and automated deployments via **Vercel, Docker, and AWS (EC2, S3)**, reducing release cycles by **40%**
- Owned features end-to-end across **2 platforms** — from system architecture and development to production deployment — collaborating within **agile and remote teams**

Alagzoo Corporation

Remote

Backend & React Native Developer

Nov 2023 – Apr 2024

- Designed and implemented **20+ RESTful APIs** serving **10,000+ daily requests** using **Node.js and Spring Boot**
- Architected **microservices** for a multi-tenant SaaS platform with **JWT and OAuth 2.0 authentication**, supporting **5,000+ concurrent users**
- Optimized **MySQL and PostgreSQL** queries and indexing strategies, reducing average API response time by **40%** (500ms → 300ms)
- Implemented **Redis caching** and asynchronous processing with **RabbitMQ**, reducing database load by **35%**
- Containerized backend services using **Docker** and integrated **CI/CD pipelines** for automated deployments
- Established standardized **API contracts**, centralized logging, and structured error handling to improve system observability and maintainability

Byte Builder Services (Client: Barclays)

Dhaka, Bangladesh

Associate Backend Developer

Oct 2022 – Nov 2023

- Developed **15+ RESTful APIs** using **Node.js and Spring Boot**, supporting **5,000+ concurrent users** with **99.9% uptime**

- Designed and optimized **MySQL database schemas** (20+ tables) using normalization and indexing best practices, improving query efficiency
- Integrated secure payment flows with **Stripe and PayPal**, processing **1,000+ daily transactions** reliably
- Built and maintained a **microservices architecture** with API gateway and service-to-service communication using TypeScript-based **Node.js services**
- Improved API response performance by **60%** through query optimization, connection pooling, and caching strategies
- Automated build and deployment workflows using **Docker, Kubernetes, and CI/CD pipelines**
- Collaborated cross-functionally with product and QA teams to define requirements, ensure code quality, and ship reliable features on schedule

PAP International LTD.

Software Engineer Intern

Dhaka, Bangladesh

Jan 2022 – Apr 2022

- Built **RESTful APIs** for **NLP services** handling **2M+ text processing requests** using **Node.js**
- Developed backend infrastructure for **question-answering systems** using **DPR and RAG architectures**
- Reduced model inference latency by **30%** through request batching and asynchronous processing
- Built frontend features using **React and JavaScript**, including e-commerce flows and reusable UI components

EDUCATION

American International University-Bangladesh

B.Sc. in Computer Science and Engineering; CGPA: 3.46/4.00

Dhaka, Bangladesh

Jan 2018 – May 2022

Cambrian College

Higher Secondary Certificate; GPA: 4.17/5.00

Dhaka, Bangladesh

May 2015 – July 2017

Cambrian School

Secondary School Certificate; GPA: 5.00/5.00

Dhaka, Bangladesh

Jan 2013 – Mar 2015