

// WHOAMI



Rakib Hasan Amiya

SENIOR SOFTWARE ENGINEER – DISTRIBUTED SYSTEMS · AI APPLICATIONS

10+ years designing and delivering cloud-native, distributed systems across e-commerce, fintech, healthcare, and logistics. Architecting scalable backend services with **Python**, **Go**, **FastAPI**, **Django**, **PostgreSQL**, **Kubernetes** and event-driven patterns supporting millions of users. Strong background in Domain-Driven Design and Hexagonal Architecture. Currently expanding into Generative AI, LLM integration, and RAG — and runs day-to-day engineering through **Claude Code** with sandboxed, permission-scoped workflows.

10+

YEARS EXPERIENCE

5

COMPANIES

~80

ENGINEERS LED

99.9%

UPTIME DELIVERED

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// SERVICE-REGISTRY --STATUS

languages	Python, Go, JavaScript, SQL	● production
backend	Django, DRF, FastAPI, Flask, REST, GraphQL	● production
databases	PostgreSQL, MySQL, Redis, MongoDB, Firestore, Elasticsearch	● production
cloud & devops	GCP, Docker, Kubernetes, Terraform, GitHub Actions, GitLab CI	● production
messaging	Google Pub/Sub, RabbitMQ	● production
architecture	Distributed Systems, DDD, Hexagonal Architecture, Event-Driven Architecture, Microservices	● production
ai tooling	Prompt Engineering, Claude Code (daily use)	● production
ai / genai	OpenAI API, Gemini, LangChain, LangGraph, MCP, RAG, AI Agents	● learning

// DEPLOY-LOG --HISTORY

#momox

05/2022 → present

· Berlin, DE

Senior Software Engineer

momox SE

Europe's leading re-commerce platform buying and reselling used books, media, and clothing.

+ Architected and delivered a cloud-native backend service from the ground up using **Hexagonal Architecture and DDD**.

+ Designed an **event-driven microservices architecture** using Google Pub/Sub for async, decoupled services.

~ Led migration of business-critical workloads from **Firestore to PostgreSQL**, improving consistency and reliability.

~ Optimized SQL, caching, and API performance, cutting infrastructure and query costs by **30–40%**.

+ Built backend services supporting large-scale marketplace operations and high-volume transactions.

+ Mentored engineers through architecture discussions and design/code reviews.

+ Adopted **AI-augmented development** via Claude Code with custom skill files and sandboxed, permission-scoped execution.

#evaly

01/2020 → 03/2022

· Dhaka, BD

Head of Engineering

evaly.com.bd

One of Bangladesh's fastest-growing e-commerce marketplaces.

+ Led an engineering organization of **~80 engineers**, blending strategy with hands-on architecture.

+ Defined technical roadmap and engineering strategy for large-scale marketplace systems.

+ Architected backend platforms for payments, orders, inventory, logistics, and customer services.

- Eliminated recurring production bottlenecks caused by database contention.

+ Delivered a production-ready food delivery platform in **2 months** handling ~1.5M requests/min.

~ Improved performance via DB optimization, API tuning, and caching — reduced latency, raised throughput.

#telenor

11/2018 → 01/2020

· Dhaka, BD

Senior Software Engineer

Telenor Health A/S

Telenor's digital health arm — mobile-based medical advice and health services in emerging markets.

+ Built and maintained backend services on Node.js/PostgreSQL supporting **500,000+ active users**.

~ Reduced query latency by **40%** and database costs by **30%** through indexing and optimization.

+ Contributed to **99.9% service availability** via reliability and monitoring improvements.

~ Cut delivery cycles by **2–3×** as part of a small cross-functional team.

#pathao

12/2017 → 10/2018

· Dhaka, BD

Software Engineer

Pathao

Bangladeshi super-app: ride-sharing, food delivery, logistics, and payments.

+ Built key backend microservices used across multiple Pathao services.

~ Improved API response times by **30–40%** through query optimization and caching.

+ Built production services supporting ~1M daily active users and 500K concurrent users.

#inovio

10/2016 → 10/2017

· Dhaka, BD

Software Engineer

Inovio

Custom software solutions and digital platforms for healthcare and other sectors.

+ Built high-performance medical imaging systems supporting DICOM workflows.

~ Improved image transmission reliability over unstable networks by **~50%**.

~ Built a lossless image optimization pipeline, cutting storage/bandwidth by **30–40%**.

+ Built a high-performance DICOM viewer — **2× faster** image load/manipulation.

// TAGS --CORE

Distributed Systems

Software Architecture

Backend Platform Engineering

Domain-Driven Design

Hexagonal Architecture

Event-Driven Architecture

Cloud-native Applications

Microservices

Performance Optimization

Engineering Leadership

Technical Mentoring

Agile Delivery

E-commerce Platforms

FinTech Systems

// REPOS --PINNED

Potaka.io

08/2016

+ Launched **Potaka.io**, a Bengali programming language and online editor for native-language learners.

+ Implemented Avro phonetic typing, autocomplete, and syntax highlighting.

+ Built educational coding games with **30+ levels** to drive engagement.

// EDUCATION --HISTORY

Bachelor of Science in Computing

04/2011 – 01/2014 · Cardiff, UK

Cardiff Metropolitan University

\$ contact --rakib

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