

NAZMUS SAADAT NUHIN

Lead Software Engineer · Backend, Platform & Security · 20 engineers, four workstreams

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2017 — 2019 Native Android Sole developer 3 production apps, maintained	→	2019 — 2022 Mobile Lead 8 engineers, 1M+ downloads, native→Flutter migration	→	2022 — 2025 Backend & Cloud Spring Boot, MySQL/PostgreSQL, AWS, Docker, Kubernetes	→	2025 — 2026 E2E Ownership · Security · AI 20 engineers, 7+ bank deployments, ADLC
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Lead Software Engineer, 9+ years, promoted from Senior at Polygon. I lead 20 engineers across four concurrent workstreams and architect a security platform deployed inside 7+ banks. Came up through mobile at scale, moved deliberately into backend and cloud, and authored my company's shift to an agentic development lifecycle.

How I work — *Debugging-first problem solver · End-to-end ownership, business context to production · Layered quality gates · Commitment · Communication · Respect*

TECHNICAL STACK

Languages	Java · Kotlin · Dart · Python · TypeScript · JavaScript · Go · Swift
Backend	Spring Boot · Go · Django · Node.js · Microservices · gRPC · Event-Driven Architecture (Kafka) · REST · DDD · Multi-Tenant Systems
Frontend & Mobile	Android (Kotlin/Java) · Flutter · React Native · BLoC · Clean Architecture · Riverpod · Navigation Component · iOS (Swift) · Vue.js · Nuxt.js · Next.js
Cloud & Infrastructure	AWS (EC2, ECS, ECR, RDS, S3, CloudFront, Route53, ALB) · Kubernetes · Docker · MinIO · Nginx · Terraform
Security	Phishing Simulation · OWASP · Penetration Testing · Zero Trust Architecture · DMZ & Segmented Deployment · RBAC · SSO · JWT · TLS/SSL · AES · Hashing · SQL Injection Prevention · CSRF · Session Hijacking Defence · API Abuse Prevention · Code Obfuscation
Data & Storage	MySQL · PostgreSQL · Redis · Schema Design · Caching · Offline-first caching · Hive · Room · SQLite
Testing & Monitoring	TDD · Load Testing · SonarQube · Static Analysis & Linting · Prometheus · Grafana
Deployment & Delivery	CI/CD · Jenkins · GitHub Actions · ArgoCD · Cluster Management
Solution Design	Requirements Analysis · Feasibility Study · Technical Assessment · BRD/SRS Authoring · Traceability (RTM) · System Design · Architecture Definition & Governance · SDK Design
Project & Client Delivery	Project Management · Agile/Scrum · Consultancy · Embedded / Client-Site Delivery · On-Premise Deployment · Client Demos · Cross-Cultural Client Delivery
Professional Strengths	Leadership · Stakeholder Communication · Problem-Solving · Teamwork & Collaboration · Adaptability · Time Management · Commitment

AI & AGENTIC ENGINEERING

Introduced agentic delivery at my company — *specification-gated, human-approved, vendor-neutral.*

Core Values	Spec-Driven Development · Human-in-the-Loop Gates · Agent Governance · Context Engineering · Sub-Agent Orchestration · Multi-Model Review · Skill Authoring · Session & Memory Handoff · Model-Agnostic Harness Design · Greenfield & Brownfield Harnesses · MCP Servers · RAG · LangGraph · n8n
▪ Agentic Development Life Cycle (ADLC)	— The practice, authored and rolled out org-wide. Proposal → Agent-ready Spec → Governance & Vetting → EPIC Delivery Loop (Spec → Plan → Tasks → Agent Implements → Integrate → Verify → Review → Done) → Feature Complete → Supervised Maintenance → Handover, with human approval at every transition. Trained every engineer in context engineering; multiple teams converted to spec-driven development.
▪ Agentic Delivery Harness	— The tooling, open-sourced. One rule set, skill registry and task queue running identically on Claude Code, Codex CLI, OpenCode and Cursor. Generated work is peer-reviewed by a different model before an independent QA gate. Skills are authored on top of it — including pattern-surgeon , a design-pattern refactoring skill covering nine languages.

EXPERIENCE

Polygon Technology Limited <i>Senior Software Engineer I → Lead Software Engineer I</i> B2B SaaS & Japanese enterprise clients · Lead 20 engineers across four concurrent workstreams	Aug 2022 — Present Dhaka, Bangladesh
▪ Lead 20 engineers across four concurrent workstreams — Ryobi (9), CyberWise (3), Source Manga (4), and other work (4) — with the Agave team at 5.	
▪ The company's core engineering decision-maker — I scope the engineering cost of a project against the cost of the project itself.	
▪ Contribute to existing and new projects across the company as mentor and decision-maker beyond the workstreams I lead directly.	
Ryobi — concurrent Japanese enterprise projects Python (Django) · Vue.js · PostgreSQL · TDD · Client	<i>Acting Engineering Manager & Developer</i>
▪ Acting engineering manager, still a developer — 9 engineers across city council services, agri-business portals, milk collection and distribution, and hospital management, TDD enforced rather than encouraged, 90%+ coverage sustained .	
CyberWise — security awareness & phishing simulation platform Spring Boot (Java/Kotlin) · Go · gRPC · GoPhish · TypeScript · Kubernetes · MinIO · Prometheus · Grafana · Site	<i>Architect · Project Lead → Product Oversight</i>
▪ Integrated the open-source GoPhish project into the platform to run the full email-phishing setup rather than building a campaign engine from scratch — deployed to 7+ banks covering 10,000+ employees .	

- Built a **scripted installer** that stands the whole platform up on either a multi-VM topology inside a bank network or a single VM for a smaller tenant, with nothing to configure by hand.
- Built the **risk-scoring engine** that grades exposure company-wide and by cluster, department and individual, feeding a full-phase LMS that trains each person and re-tests them until they get it right.
- Ran client demos for banks and enterprise organisations.

Source?. Manga — digital manga & streaming platform

Product Reviewer & Optimizer

Flutter · Nuxt.js · Next.js · Terraform · AWS ECS/ECR · RDS (MySQL) · Redis · S3 · CloudFront · Site · Play

- Designed encrypted video and reels streaming behind CloudFront with in-app purchase, Google Pay, and Apple Pay; owned architecture, service boundaries, and review standards for a 4-engineer team.
- Provisioned the entire environment as code with Terraform, then ran multi-region analysis and load testing to **verify a sustained 20 TPS** before launch rather than after it.

Agave — Japanese e-commerce platform

Backend & Project Lead

Spring Boot · Node.js · Laravel · GMO Payment Gateway · AWS EC2/RDS/S3/Route53/ALB · Kubernetes · MySQL · Redis

- Ran a plant e-commerce platform for the Japanese market with **full end-to-end ownership of a 5-person team** — product catalogue through order management, with the **GMO Payment Gateway** carrying payment.
- Owned the AWS environment — ALB, RDS, EC2 and S3 — built the admin portal in Laravel, and delivered a demanding Japanese client on schedule.

eKYC in Bashundhara Pocket · Knower · Ami Probashi SDK · Paperless

Embedded Engineer

Kotlin · Swift · Flutter · Bloc · Spring Boot · Kafka · Google Maps · Navigation Component

- Embedded inside Bashundhara Group's engineering team to integrate an **eKYC and liveness-detection SDK** into their production app across native Kotlin and Swift — a third-party integration into someone else's release cycle, not a greenfield build.
- Rolled out **Clean Architecture**, now used by **100% of company applications**.
- Built custom Maps campaign logic for **Knower** (Japanese influencer platform) and a native Android **Resume Builder SDK** for Ami Probashi with a clean SDK-to-host contract.
- Built **Paperless** payment-gateway service-to-service communication on **Kafka** across multiple services; guided the mobile team building its apps.
- Coordinated the **Shell BD** app suite and e-store (Flutter, Next.js), holding a proper review gate on the work before it shipped.

Sheba Platform Limited

May 2017 — Jul 2022

Junior Android Developer → Software Engineer V

Dhaka, Bangladesh

Formerly Sheba.xyz · Bangladesh's largest home-services marketplace · Promoted four times in five years

Recognition — Employee of the Month (×2) · Employee of the Quarter (×1)

- Promoted four times over five years, progressing from sole contributor to leading a team of eight engineers.

sManager — business management super-app

Mobile Lead · 8 engineers

Kotlin · Java · Flutter · Multi-module native ↔ Flutter bridging · Firebase · Room · Hive · Coroutines · RxJava · Play

- Directed 8 engineers alongside QA, PM, and UI/UX, owning delivery from BRD and PRD through UAT, plus feature breakdown, feasibility analysis, and application performance.
- Chose an **incremental multi-module migration over a rewrite** so the feature pipeline never paused — the app kept shipping through the entire native-to-Flutter transition at **1M+ downloads, 5,000+ daily active users, and 99.8% crash-free users sustained**.
- Built the **POS module in Flutter, fully offline-first** — sales, stock, and payments captured with no connection and reconciled on reconnect — with offline caching across the app's other flows.
- Established the testing practice — every release exercised as an end user across a device matrix, reproducing the scenarios the product actually hit in the field rather than the happy path.

Sheba.xyz — customer marketplace app

Mobile Developer

Flutter · Kotlin · Hive · Firebase · OneSignal · CleverTap · Google Maps · Site · Play

- Moved the customer app from **native Android to Flutter**, rebuilding product and order management, a **server-driven dynamic home page**, and a complex navigation flow, with offline-first caching throughout.
- Built the **hyper-local** system on Google Maps — location-scoped catalogue, address capture, and provider matching by service area.
- Instrumented marketing event tracking (Firebase, CleverTap, Facebook app events), Firebase and OneSignal push, and dynamic links routing campaign traffic straight to the right screen.
- Applied deliberate design patterns across the app — Singleton, Factory, Adapter, Strategy — with clean-code practice and multi-threaded background work behind the UI.

sDelivery · sBondhu · sPro · digiGo — delivery ops, referral marketplace, provider app, HR platform

Lead / Sole Developer

Kotlin · Flutter · Java · Socket.io · Google Maps · Hive · Jenkins

- Built **sDelivery** in native Kotlin with Socket.io live GPS tracking and Maps route optimisation; built **sBondhu** end to end alone, reaching 1,000+ daily active users. Also migrated the **sPro** provider app from native Android to Flutter with offline-first caching.
- Introduced **Jenkins CI** for the team's mobile builds.
- Delivered **digiGo**, the company's first Flutter product — an HR platform used daily by **1,000+ employees across 25+ companies**, proving the framework internally and unlocking the wider migration.

OPEN SOURCE & INDEPENDENT WORK

- **Flutter Clean Architecture (BLoC)** 7★ / 5 forks — Reference implementation that became my company's internal engineering standard.
- **VWB — Vulnerable Women Benefit** (World Food Programme · Department of Women Affairs) — Sole mobile developer on a **World Food Programme** national programme supporting vulnerable women across Bangladesh. Flutter. Built the enrolment flow on **very large dynamic forms** driven by the backend, with **reCAPTCHA** on submission and **P8 encryption** over the payload. [Site](#) · [Play](#)

- **Dizi Cashier** (consultancy) — Led the native-to-Flutter migration of a sales, stock, and accounts platform; replaced manual thread management with coroutine-based I/O, enabled a caching-first approach, added iOS support, and set the team's coding standards. [Site](#) · [Play](#)
- **Beats App** (part-time) — Worked as a **part-time resource** on a music-sharing social app — Media3 ExoPlayer for playback, Google Play Instant so a shared track opens without an install. [Site](#) · [Play](#)
- **Priyojon — Chartered Life** (project-based) — Built two native Android apps under MVVM — customer and company side — handling 20+ input fields in a single screen with dynamic forms, robust validation, and complex JSON contracts against the backend. [Play](#)

EDUCATION

M.Sc. Computer Science & Engineering — Cyber Security, BRAC University

2026 — Expected Jul 2027

Thesis direction: usable security and human-computer interaction — the research counterpart to CyberWise's behaviour-driven risk scoring.

B.Sc. Computer Science & Engineering, Khulna University

2012 — 2016

LANGUAGES

English — C1 (Professional) · Bangla — Native