

Professional Summary

Backend-focused Full-Stack Engineer with 3.5+ years owning production systems end-to-end, from architecture through deployment. Built and shipped a multi-tenant identity platform now securing three product tenants, a queue-based email service that cut delivery cost by roughly half versus the previous provider, and lead-generation infrastructure that has driven 13,820+ qualified leads. Comfortable owning ambiguous problems from resolving multi-second latency regressions to hardening authentication surfaces against real-world attacks. Strongest in Go and TypeScript/Node.js, with production experience across PostgreSQL, MongoDB, and Redis.

Experiences

Aug 2024 – Present	Software Engineer at Programming Hero (Remote) - Programming Hero’s three product surfaces each ran separate authentication logic, duplicating security work and causing inconsistent sessions. Designed and built ph-auth-service, a multi-tenant OIDC/OAuth2 identity platform in Go, consolidating authentication behind one ABAC-secured authorization server — now serving all 3 product tenants in production. - A high-traffic endpoint was intermittently timing out under load. Traced the cause to inefficient MongoDB aggregations, redesigned indexing and query structure, and resolved a 22-second latency regression. - Own delivery of 5 production services (ph-auth-service, PH Mailer, Bootcamp, Skill Mapper, and supporting infrastructure); shipped 272+ merged PRs across 17 repositories with CI/CD pipelines running across 8+ repos.
Feb 2023 – Aug 2024	Web Instructor at Programming Hero (Remote) Taught full-stack web development to bootcamp cohorts while contributing to internal platform tooling; technical contributions led to promotion into a dedicated Software Engineer role in Aug 2024.
Aug 2022 – Feb 2023	Contract Engineer at SpeakSail / Enlightall (Remote) - Engaged as contract engineer for two education-marketplace platforms SpeakSail (Laravel/PHP language-learning marketplace) and Enlightenment (Next.js/MongoDB learning platform). Owned RBAC-secured admin tooling, Stripe payment integration, and Socket.IO real-time messaging for live tutoring and course delivery. - Implemented authentication (Firebase Auth, Google OAuth, JWT) and policy-driven access control (Filament Shield, Spatie Permission) securing admin and instructor workflows on both platforms.
Feb 2022 – Aug 2022	Full-Time Internship / Junior Developer at Macroman Solution, Rajshahi Built client web and mobile applications using PHP, Symfony, Vue.js, Ionic, and MySQL; transitioned from intern to full-time developer responsibilities during the role.
Jul 2021 – Jan 2022	Unpaid Internship at OpenfabricAI (Transylvanialab), Romania (Remote) Contributed to computer vision and image processing pipelines using Python and TensorFlow.

Projects

ph-auth-service (Identity Provider)	- Multi-tenant OIDC/OAuth2 authorization server in Go, built on ZITADEL, unifying authentication for 3 product tenants behind one identity layer. - MFA/OTP with hashed storage, Redis-backed sessions, per-user device limits, CSP nonce middleware, rate limiting, and CSRF protection. - Stack: Go, ZITADEL, Redis, PostgreSQL, Nuxt.js
Skill Mapper (Assessment Platform)	- Full-lifecycle technical assessment platform with event state machine, invite management, concurrent timed exams, real-time synchronization, and disqualification handling. - XP-based ranking engine with five tiers, per-assessment caps, and a live leaderboard; RBAC-secured admin controls for scoring and event management. - Stack: TypeScript, Node.js, MongoDB, Next.js, TanStack Query

Bootcamp
(Backend Platform)

- Express.js/TypeScript API powering course delivery, DRM-protected video, bKash payments, and QR-based attendance for Programming Hero Bootcamp.
- MongoDB-aggregation analytics across six data domains with Redis-cached pagination for real-time operations visibility.
- Stack: Node.js, Express.js, TypeScript, MongoDB, Redis, Docker

PH Mailer
(Email Infrastructure)

- Queue-based email service (BullMQ, Redis) integrated with AWS SES, replacing Mailgun and cutting per-email delivery cost by roughly 50–60%.
- Delivered 197,000+ emails within a single 7-day period with retry handling and delivery monitoring.
- Stack: Node.js, TypeScript, BullMQ, Redis, AWS SES

Skills

Languages	Go, TypeScript, JavaScript, SQL
Backend & APIs	Node.js, Express.js, REST API Design, Socket.IO, BullMQ
Frontend	React.js, Next.js, Tailwind CSS
Databases	PostgreSQL, MongoDB, Redis
Security & Identity	OIDC/OAuth2, ABAC, RBAC, JWT, MFA
DevOps & CI/CD	Docker, GitHub Actions, CI/CD Pipelines

Education

2023–2024	University of Rajshahi , Rajshahi, Bangladesh Master of Science in Computer Science & Engineering
2017–2021	North Bengal International University , Rajshahi, Bangladesh Bachelor of Science in Computer Science & Engineering