

Md. Kawser Hamid

Senior Software Engineer & Technical Lead

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Software Engineer with 9+ years of experience designing and delivering production-grade systems across FinTech, GovTech, ERP, EdTech, Healthcare, and SaaS. Expert in C# (.NET Core), Java Spring Boot, and Python — with a strong track record in Agent Banking, eKYC, AML Compliance, and AI-driven analytics. Hands-on technical leader who architects scalable multi-tenant platforms, drives cross-team engineering decisions, and delivers complex freelance and enterprise projects end-to-end.

SKILLS & TECHNOLOGIES

Languages C# · Java · Python · JavaScript

Frameworks ASP.NET Core · .NET Framework · Spring Boot · FastAPI · Django · Node.js

Frontend React.js · Angular · AngularJS · HTML5 / CSS3 · Bootstrap

Databases MS SQL Server · Oracle · MySQL / MariaDB · PostgreSQL · MongoDB · Redis

Architecture Microservices · Clean Architecture · REST / Web API · Multi-Tenancy

Messaging Apache Kafka · RabbitMQ · Elasticsearch

DevOps Docker · Kubernetes · GitHub / GitLab · Grafana · Seq · Jira

AI & APIs Claude API · OpenAI API · Gemini API · OCR / Vision AI · Biometric APIs

Domain FinTech · Agent Banking · eKYC · AML · ERP · EdTech · GovTech · Healthcare

Process Agile / Scrum · TDD · Code Review · Technical Mentoring

PROFESSIONAL EXPERIENCE

Wyze Tech Ltd

Dhaka, Bangladesh

Engineering Manager

Oct 2025 – Present

- Define and drive architectural direction for wyzerp™ — an enterprise multi-tenant SaaS ERP (Finance, HRMS, SCM, LMS, Payroll) deployed on Cloud.
- Lead and coordinate cross-team engineering initiatives spanning multiple concurrent product tracks.
- Mentor engineers across the organisation; continuously raise code quality and engineering culture.
- Own multi-tenant infrastructure security, scalability, and platform uptime.

GIGA TECH Limited

Dhaka, Bangladesh

Staff Software Engineer

May 2025 – Sep 2025

Senior Software Engineer

Dec 2023 – Apr 2025

- Led design and delivery of FSMMS — national food procurement, stock management, and real-time market price monitoring platform serving 7M+ beneficiaries. Stack: Java Spring Boot, React.js, Oracle, Redis, Kafka.
- Built Fingerprint Verification Service integrated with Bangladesh Election Commission database for banking onboarding and loan verification.
- Contributed to Digital Onboarding (eKYC) and AML Compliance systems for banking clients.
- Built a configurable Dynamic Archiving Service with scheduled migrations, flexible DB connections, and full audit logging.
- Conducted architectural reviews, requirements analysis, and cross-team code quality assessments.

DataSoft Systems Bangladesh Limited

Dhaka, Bangladesh

Senior Software Engineer

Jan 2022 – Nov 2023

Software Engineer

Apr 2019 – Dec 2021

- Agent Banking: End-to-end banking agent platform deployed at 3 banks — customer/account management, core banking API integration, all transaction types, utility billing, remittance, FDR/DPS, loan management, NID biometric verification. Stack: ASP.NET Core, Oracle/MSSQL, Angular.
- Digital Onboarding & eKYC: AI-driven platform using OCR, face matching, and fingerprint biometrics — reduced customer onboarding from days to minutes. Stack: Python, ASP.NET Core.
- AML Compliance: Transaction monitoring, customer due diligence, and automated screening for regulated financial institutions. Stack: ASP.NET MVC, Kafka, Elasticsearch.
- Led R&D, mentored junior developers, and delivered client training across branch rollouts.

APLOS Global Limited

Dhaka, Bangladesh

Software Engineer

Jan 2017 – Mar 2019

- Contributed to aPOP ERP covering HR, Accounting, CRM, Inventory, Planning, and Production. Stack: ASP.NET MVC, MSSQL, AngularJS.

UY Systems Ltd

Dhaka, Bangladesh

Software Developer

Oct 2016 – Dec 2016

- Built Inventory Management Software — Requisition, Purchase Orders, Stock Workflow, Transfer, and Reporting. Stack: ASP.NET MVC, MSSQL.

KEY PROJECTS

wyzerp™ — Enterprise SaaS ERP Platform

Frappe · Python · JavaScript · MariaDB · Multi-Tenant · Cloud

- Enterprise SaaS ERP covering Finance, HRMS, SCM, LMS, and Payroll — deployed in multi-tenant cloud with full tenant isolation, RBAC, audit logging, and automated tenant provisioning.
- Modular architecture supports independent development and scaling of each business domain from a single deployment.

Food Stock & Market Monitoring System (FSMMS)

Java Spring Boot · React.js · Oracle · Redis · Kafka · Microservices

- National platform serving 7,000,000+ beneficiaries for food procurement, stock management, distribution tracking, and real-time market price monitoring.
- Event-driven microservices with Kafka; Redis for real-time price feeds across all districts with sub-second latency.

Agent Banking Platform

ASP.NET Core · Oracle / MSSQL · Angular · Redis · RabbitMQ

- Deployed at 3 banks — customer/account management, core banking integration, all transaction types, utility billing, remittance, FDR/DPS, loan management, and NID biometric verification.
- Redis-backed session management supports thousands of simultaneous agent transactions at high concurrency.

Digital Onboarding & eKYC Solution

ASP.NET Core · Python · Oracle / MSSQL · Angular · OCR · Face Match

- AI-driven eKYC platform using OCR, face matching, and fingerprint biometrics — reduced customer onboarding from days to minutes.
- Integrated into Agent Banking and core banking workflows for fully regulated onboarding.

AML Compliance System

ASP.NET MVC · Kafka · Elasticsearch · MSSQL · REST API

- Compliance platform for regulated financial institutions — automated transaction monitoring, customer due diligence, and risk screening aligned with BFIU guidelines.
- Kafka-driven event streaming for high-volume real-time transaction ingestion; configurable rule engine for STR generation.

AI-Driven Business Analytics SaaS Platform

ASP.NET Core · Python · React.js · PostgreSQL · OpenAI / Gemini / Claude

- SaaS platform that ingests business data and generates AI-driven analytical reports covering KPIs, trend charts, correlational tables, and actionable recommendations.
- Multi-model AI integration (OpenAI GPT, Google Gemini, Anthropic Claude) with conversational decision-support interface; subscription-based multi-tenant with usage metering.

aPOP — Full-Featured ERP System

ASP.NET MVC · AngularJS · MSSQL · Bootstrap

- Contributed to aPOP — a full-featured ERP covering HR, Accounting, CRM, Inventory, Planning, and Production modules for enterprise clients.
- Developed and maintained core modules, resolved performance bottlenecks, and participated in client-facing requirements gathering and delivery.

EduFlex — Digital Learning Management Portal

Node.js · React.js · MySQL · Zoom API · SSLCommerz · Trinity Similarity

- Full LMS for BIM: course management, live class scheduling via Zoom API, SSLCommerz payment gateway, proctored exam engine with auto-grading, and automated certificate generation.
- Multi-role portal (Admin, Instructor, Student) deployed for BIM's national professional training programmes.

Multi-Tenant GPS Fleet Tracking System

Java Spring Boot · React.js · MySQL · WebSocket · GPS / MQTT · Multi-Tenant

- Real-time GPS vehicle tracking via MQTT with WebSocket live map updates; geo-fence alerts, trip history replay, fuel consumption reporting, and route planning.
- Multi-tenant with per-organisation fleet configurations, alert thresholds, and branded portals.

Fingerprint Verification Service

ASP.NET Core · .NET Framework · PostgreSQL · Biometric API · Election Commission API

- Generic fingerprint verification service integrated with the Bangladesh Election Commission (EC) database — deployed for banking onboarding, agent authentication, and loan borrower verification.
- Exposed as a secure REST API consumed by multiple banking systems; supports both online and fallback verification modes for network resilience.

International Research Data Collection & Analysis Platform

Python FastAPI · React.js · PostgreSQL · Pandas / SciPy · Data Analytics

- Global research data collection platform with multilingual survey builder — branching logic, Likert scales, matrix grids, and validation rules.
- Automated statistical analysis (mean, SD, cross-tabulation, correlation, trend charts) via Pandas/SciPy; exportable PDF and Excel reports with role-based access.

Automated Payroll & HR Management System

ASP.NET Core · React.js · PostgreSQL · Biometric Integration · PDF Generation

- End-to-end HR platform: employee onboarding, leave management, biometric attendance, and fully automated monthly payroll processing.
- Configurable salary structures with income tax slabs and provident fund; auto-generated PDF pay slips and bank EFT export for direct salary disbursement.

Multi-Tenant Institute Management System

ASP.NET Core · Angular · PostgreSQL · Multi-Tenant · Payment Gateway · SMS / Email

- Multi-branch platform covering admissions, attendance, scheduling, grading, fee collection, and certificate generation with per-branch branding and independent academic calendars.
- Role-based portals for Admin, Teacher, Student, and Parent; automated SMS/email notifications for fee dues, results, and events.

Open-Source Contributions — 300+ GitHub Stars

github.com/kawser2133

ASP.NET Core · Angular · Clean Architecture · Multi-Tenancy · Docker · SQL Server

- *saas-base* — Production-ready multi-tenant SaaS foundation widely used as a starting point for enterprise SaaS projects.
- *clean-structured-project* (100+ ★) — One of the most starred .NET Clean Architecture templates on GitHub.
- *web-api-project* (100+ ★) — Practical Web API boilerplate with best-practice patterns for production-grade .NET REST API development.

CERTIFICATIONS

Microsoft Certified Solution Developer (MCS D)

Microsoft Corporation · ID: 12988101

Microsoft Certified Professional (MCP) · MCSA

Microsoft Corporation

70-487: Developing Microsoft Azure & Web Services

Microsoft Corporation

70-486: Developing ASP.NET MVC Web Applications

Microsoft Corporation

70-480: Programming in HTML5 with JavaScript & CSS3

Microsoft Corporation

Professional Diploma — Enterprise Systems Analysis & Design with C#.Net

IDB-BISEW IT Scholarship · 2017 · Outstanding Academic Performance Award

AWARDS & RECOGNITION

Top Performer of the Year — 2022

DataSoft Systems Bangladesh Ltd · Recognised 2023

Top Performer of the Year — 2021

DataSoft Systems Bangladesh Ltd · Recognised 2022

Outstanding Academic Performance Award

IDB-BISEW IT Scholarship Program · 2017

EDUCATION

Professional Diploma — Enterprise Systems Analysis & Design with C#.Net

IDB-BISEW IT Scholarship · 2017

Master of Business Studies (MBS) — Finance & Banking

National University, Bangladesh · 2016

Bachelor of Business Studies (BBS) — Finance & Banking

National University, Bangladesh · 2014