

# 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

<b>Languages</b>	C# · Java · Python · JavaScript · TypeScript · SQL
<b>Frameworks</b>	ASP.NET Core · Spring Boot · FastAPI · Node.js · Django
<b>Frontend</b>	React.js · Angular · AngularJS · HTML5 / CSS3 · Bootstrap
<b>Databases</b>	MS SQL Server · Oracle · MySQL / MariaDB · PostgreSQL · MongoDB · Redis
<b>Architecture</b>	Microservices · Clean Architecture · REST / Web API · Event-Driven · Multi-Tenancy
<b>Messaging</b>	Apache Kafka · RabbitMQ · Elasticsearch
<b>DevOps</b>	Docker · Kubernetes · GitHub / GitLab · Grafana · Seq · Jira
<b>AI &amp; APIs</b>	Claude API · OpenAI API · Gemini API · GitHub Copilot · OCR / Vision AI · Biometric APIs
<b>Domain</b>	FinTech · Agent Banking · eKYC · AML Compliance · SaaS ERP · EdTech · GovTech · Healthcare · Fleet & Logistics
<b>Process</b>	Agile / Scrum · TDD · Code Review · Technical Mentoring · Architecture Review

### PROFESSIONAL EXPERIENCE

#### Wyze Tech Ltd

Dhaka, Bangladesh

##### Staff Software Engineer

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

Wyze Tech Ltd

*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)

GIGA TECH Limited

*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.

### EduFlex — Digital Learning Management Portal

Freelance · eduflex.bim.gov.bd

*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.

### Agent Banking Platform

DataSoft Systems Bangladesh Ltd

*ASP.NET Core · Oracle / MSSQL · Angular · Redis · Web API*

- 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

DataSoft Systems Bangladesh Ltd

Python · ASP.NET Core · 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

DataSoft Systems Bangladesh Ltd

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

Freelance

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.

## Multi-Tenant GPS Fleet Tracking System

Freelance

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.

## Dynamic Reporting Service & Business Intelligence Tool

Freelance

Java Spring Boot · React.js · MSSQL / Oracle / MySQL · JasperReports · Chart.js

- Database-agnostic reporting engine connecting to MSSQL, Oracle, and MySQL via configurable profiles; drag-and-drop report designer with grouping, aggregations, and parameterised filtering.
- KPI dashboards with Chart.js visualisations; exports to PDF, Excel, and HTML; scheduled automated delivery via email.

## International Research Data Collection & Analysis Platform

Freelance

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

Freelance

Python FastAPI · 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 payslips and bank EFT export for direct salary disbursement.

## Multi-Tenant Institute Management System

Freelance

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](https://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