

Kazi Zuljalal Md. Maslinia

Senior Software Engineer | Full Stack | ASP.NET, Flutter & Microsoft SQL Server

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PROFESSIONAL SUMMARY

Senior Software Engineer with 6 years of experience in enterprise software development. Builds APIs and web applications with ASP.NET Core, cross-platform mobile apps with Flutter, designs and optimizes Microsoft SQL Server databases for enterprise systems. Has developed an integrated ERP covering HR and payroll, distribution, sales, and inventory modules. Has also built computer vision systems that monitor daily manufacturing and distribution operations. Works across requirements analysis, architecture design, development, release, and production support. Mentors junior engineers. Holds an MSc in Computer Science. Seeking a senior software engineering role in an international team.

TECHNICAL SKILLS

Languages: C#, T-SQL, Python, Java, Dart, JavaScript

Backend & APIs: ASP.NET Core (Web API and MVC), .NET, Entity Framework Core, RESTful API design, Clean Architecture, layered/n-tier design, dependency injection, repository and unit-of-work patterns, JWT authentication and role-based authorisation, background services, performance tuning, secure coding practices.

Frontend: React, Razor Pages, HTML, JavaScript, Bootstrap, responsive design, component-based UI, AI assisted design.

Mobile: Flutter and Dart, advanced state management with BLoC, clean architecture, modularisation, unit and widget testing, performance optimisation, native platform integration (Android/iOS channels), offline sync, app security and android app development with Java.

Databases: Microsoft SQL Server, T-SQL, stored procedures, user-defined functions, views, triggers, indexing, execution-plan analysis, query optimisation, normalisation and data modelling.

Architecture & Design: Enterprise/ERP system architecture, domain modelling, database design, API contract design, wireframing, system flow and technical design documentation, scalability and performance planning, security review, integration design.

Data, ML & R&D: Python, OpenCV, Pandas, NumPy, CUDA, image processing, machine learning, custom OCR model development, computer vision on live IP-camera and CCTV streams.

Tools & Practices: Git, TFS, CI/CD pipelines, RDLC reporting, Agile Scrum, code review, technical mentoring, requirement analysis, production support.

Embedded & IoT: Embedded systems development, microcontroller programming, IP camera and sensor integration, device-to-server data pipelines.

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Orion Group

Dhaka, Bangladesh | December 2023 - Present

- Own end-to-end delivery of enterprise ERP modules across 13 business units.
- Turn business requirements into architecture, data models, wireframes and design documents, then build and release the features.
- Build RESTful services in ASP.NET Core with clean architecture and Entity Framework Core, standardising API contracts, validation, error handling and JWT authorisation.
- Model and tune SQL Server schemas and reporting queries handling millions of transactions per month.
- Mentor and review 5 backend and mobile engineers through design walkthroughs and pairing on architecture, security and performance.
- Support production systems and work with business stakeholders on scope, estimation and live issue resolution.

Software Engineer | Akij Group

Dhaka, Bangladesh | January 2023 - December 2023

- Architected and delivered RTM, a route-to-market platform combining an ASP.NET Core API, a Flutter mobile app and Microsoft SQL Server, covering salesforce tracking, attendance, leave and movement, secondary sales, delivery slips and dealer stock for 500+ field users.

- Built the Flutter client with clean architecture and structured state management, including offline data capture, background location tracking and secure local storage for field staff working with intermittent connectivity.
- Designed and delivered the backend of an HR and payroll platform covering attendance, leave, movement, payroll processing, payslips, provident fund, leave encashment, overtime and bank advice for 30,000+ employees.
- Built the ASP.NET Core API and Microsoft SQL Server data layer for the Wash and Dyeing ERP at Mark Wash and Dyeing Ltd., supporting merchandising and production management.

Junior Software Engineer | Akij Group

Dhaka, Bangladesh | June 2021 - December 2022

- Developed core features of a group-wide Fixed Asset Management system (ASP.NET, Microsoft SQL Server) tracking thousands of assets, including registration, transfer, depreciation and disposal workflows.
- Delivered new features and enhancements across sales, payroll, production and distribution modules of the group ERP, working from user requirements to production release.
- Provided second-line production support for the existing ERP, diagnosing and fixing data and performance issues to keep daily operations running.
- Wrote and optimized T-SQL stored procedures, views and functions underpinning operational and management reporting.

Trainee Software Engineer | Akij Group

Dhaka, Bangladesh | September 2020 - May 2021

- Built an automatic number-plate recognition parking management system in Python, developing a custom Bangla OCR model to read licence plates from CCTV footage, log vehicle entry and exit times, and generate real-time occupancy reports at 98% recognition accuracy.
- Built a conveyor-belt tracking system in Python and OpenCV that detects and counts cement bags from an IP-camera feed, replacing manual counting and improving despatch accuracy.

SELECTED PROJECTS

RTM - Route-to-Market Platform: Designed the architecture and built the full system: salesforce tracking with attendance, leave, movement and payslip access, plus secondary sales, delivery slips and dealer stock management.

Fixed Asset Management System: Developed the core registration, transfer, depreciation and disposal features for a fixed asset management system used across Akij Group's 30+ business units.

Parking Management System: A licence-plate recognition service that reads Bangla plates from CCTV, records vehicle entry and exit times and produces real-time reports. Trained a custom Bangla OCR model for the task.

Conveyor Belt Tracking System: Detects and counts cement bags passing through a conveyor belt from a live IP-camera feed, replacing manual counting on the despatch line.

Group ERP (Sales, Payroll, Production, Inventory & Distribution): Developed and delivered new features and enhancements to a live group-wide ERP used by 30+ business units, along with ongoing production support.

Promotion Exam Management System (Desktop + Web): A desktop app and web portal for employee promotion exams, featuring a secure exam mode that blocks other computer functions until the exam ends, randomized question selection from a large question bank, and AI-assisted answer marking using Gemini and ChatGPT APIs.

Employee Appraisal: web-based appraisal platform for monthly performance marking and annual promotion and increment detection, automating evaluation and increment calculation for 10,000+ employees of Orion Group.

EDUCATION

MSc in Computer Science

Jahangirnagar University, Dhaka, Bangladesh | 2024 | CGPA 3.25/4.00

BSc in Computer Science and Engineering

National University of Bangladesh | 2019 | CGPA 2.85/4.00

ADDITIONAL INFORMATION

Languages: English (professional working proficiency), Bengali (native)

Freelance: Independent .NET and Flutter development for international clients on Fiverr.

Work authorisation: Bangladeshi national; requires visa sponsorship or offer letter. Open to relocation.