

EKRA HOSSAIN

Senior .NET Developer | AI-Driven Software Engineering

Dhaka, Bangladesh · Remote-ready (UTC+6) · (880) 1948-831775 · ekrahossain@outlook.com
Portfolio: <https://ekrahossain.me> · LinkedIn: <https://www.linkedin.com/in/ekrahossain>

PROFESSIONAL SUMMARY

Senior .NET Developer with 4+ years of experience building AI-driven engineering workflows and enterprise-grade backend systems. Hands-on expertise in .NET 8, EF Core, and cloud-native architecture, paired with practical, production AI work: custom AI coding assistant skills (Claude Code), GPT-4o Vision integration for computer-vision applications, and vector search (Qdrant). Track record architecting multi-repo SaaS platforms, automating CI/CD, and driving technical leadership within Agile teams. Currently pursuing an MSc in Computer Science and Engineering focused on AI-enabled systems.

TECHNICAL SKILLS

AI-Driven Development: GPT-4o Vision integration, OpenAI API integration, vector search (Qdrant), Claude Code custom skill development, AI-assisted documentation & code workflows, prompt engineering

.NET & Backend: C#, .NET 8 (Web API, MVC, Blazor, Razor Pages, FastEndpoints, SignalR), Entity Framework Core, MediatR, FluentValidation, Quartz.NET, MassTransit

Frontend: React.js, Next.js, TypeScript, JavaScript, React Native, jQuery

Data: MySQL, SQL Server, MongoDB

Cloud & DevOps: Azure & Azure DevOps (primary), Jenkins CI/CD, GitHub Actions; working familiarity with AWS and Google Cloud

Practices: RESTful APIs, Microservices Architecture, TDD, Agile/Scrum, System Architecture Design

PORTFOLIO PROJECT

OctoPOS — AI-Powered Self-Checkout POS System | *Personal Project* · <https://ekrahossain.me>

- Designed and built a self-checkout POS system using GPT-4o Vision for real-time visual product recognition, removing dependence on manual barcode scanning at checkout
- Implemented Qdrant vector search to match recognized items against a product catalog by visual embedding similarity — covering items with missing, damaged, or absent barcodes (e.g., fresh produce, loose goods)
- Solves a core self-checkout pain point: scan-avoidance and mis-ring loss, by having the system visually verify each item rather than relying solely on manual entry or a clean barcode read
- Documented the full system architecture for AI-assisted maintenance and handoff (CLAUDE.md context file plus formatted technical documentation)

PROFESSIONAL EXPERIENCE

Bizzntek Ltd — <i>Dhaka, Bangladesh</i>	<i>Sep 2025 – Present</i>
Senior Software Engineer	
Client: <i>Altios.ai — GoGlobal IC Management Platform</i>	
- Own backend architecture for a multi-repository IC/client invoicing and AP-integration platform (ASP.NET Core MVC, business logic, and data access layers) covering funding requests, credit notes, and international transfer fee invoicing - Integrated a third-party payment AP system with scheduled jobs, structured logging, and reconciliation workflows to reduce manual finance operations - Built three custom AI coding assistant skills (Claude Code) encoding repository structure and conventions across three production codebases — an AI-driven programming initiative that cut new-engineer ramp-up time - Authored layered technical context documentation (data, business logic, and UI layers) to support AI-assisted implementation across the team - Automated CI/CD pipelines (Jenkins) for multi-environment builds and built MySQL data sync tooling with EF Core migration fixes to keep environments consistent	
Zibew Ecommerce PTE Ltd — <i>Remote</i>	<i>Aug 2022 – Sep 2025</i>
Senior Software Engineer	<i>Aug 2023 – Sep 2025</i>
Software Engineer	<i>Aug 2022 – Jul 2023</i>
Software Engineer Intern	<i>Feb 2022 – Jul 2022</i>
Led technical design and code reviews for a distributed team of 5+ developers building and scaling SaaS platforms on .NET 8, MediatR, and SignalR	

- Architected cloud-native solutions on Azure and implemented CI/CD with GitHub Actions, improving deployment efficiency by ~50%
- Directed backend architecture for DigitalRX.io, a multi-tenant healthcare SaaS platform, growing online patient engagement by ~60%
- Directed backend architecture for DigitalPharmacy.io, a pharmacy eCommerce SaaS, cutting checkout latency by ~40% and improving uptime through failover design
- Engineered delivery scheduling and optimization modules for logistics SaaS (GoDeliver, Bleaum), reducing delivery delays by ~25%
- Strengthened application security and performance through structured logging, API gateway management, and load balancing

Additional client platforms: digitalrx.io · digitalpharmacy.io · ummatin.com · studentuplift.com · firstmed.com.pe · medexpress.lk

EDUCATION

Master of Science in Computer Science and Engineering (In Progress)

United International University (UIU), Dhaka, Bangladesh — Major: Software Engineering

Bachelor of Science in Computer Science and Engineering

University of Development Alternative (UODA), Dhaka, Bangladesh

CORE STRENGTHS

Technical Leadership · Mentorship · Agile Project Management · Cross-functional Collaboration · Strategic Thinking · Technical Communication · Problem Solving