

I am a back-end-focused full-stack software engineer with 9 years of experience developing enterprise web applications, including Fin-Tech, ERP, EIMS, HRMS, CRM, Tax Research Platform, High Throughput Reporting Systems, Custom OAuth Server, Real-time Messaging and Notification System, AI Integration, Crypto platform, and SaaS platforms.

## Technologies and Tools

- **Languages:** C#, Go, TypeScript, JavaScript
- **Frameworks & Libraries:** .NET Framework, .NET 8+, ABP Framework, xUnit, Angular, React
- **Technologies & Concepts:** Clean Architecture, Microservices, OAuth SSO, Git, HTML5, CSS3, SignalR, Websocket, Google Maps API, AI Speech Recognition API.
- **Databases:** PostgreSQL, MySQL, SQL Server
- **Cloud & DevOps:** Azure, GCP, Docker, Nginx
- **Other Expertise:** Agile Software Development, Team Management, JIRA, Azure DevOps

## Work Experience

### Senior Software Engineer (Full-time Contract)

PPG.DEV (US, Remote)

Nov 2024 – Present

- Designed and implemented a cloud-based email aggregation system using Azure Functions, Microsoft Entra ID, and Google Cloud Pub/Sub for scalable, real-time email tracking and metadata collection.
- Integrated mail aggregation system with the client's existing system.
- Developed an application to customize Word/PPTX document templates programmatically using Aspose.  
**Technologies:** Azure Functions, Microsoft Entra ID, Microsoft Graph API, GCP, Cloud Pub/Sub, Gmail API

### Senior Software Engineer (Part-time Contract)

PawfectNotes (US, Remote)

Nov 2024 – Feb 2025

- Integrated AI-powered transcription service to develop a topic-based AI scribe tailored for veterinary professionals, streamlining audio data processing.
- Integrated many third-party APIs and improved the note syncing mechanism in the browser extension.
- Enhanced and fixed functionalities in their Cloud EMR Companion (Browser Extension), ensuring a smoother user experience.  
**Technologies:** Deepgram AI SDK, C#, Websocket, TypeScript, React.

### Team Lead/Sr. Software Engineer

Wafi Solutions (Dhaka, Bangladesh)

Oct 2023 – Oct 2024

- Led the team to deliver high-quality products for international clients, improved processes & communications with clients, conducted code reviews, enforced coding standards to maintain productivity and quality, and managed deployment & data migrations.
- Developed and enhanced the Geotechnical Reporting SaaS platform, tenant-to-tenant project transfer, template export/import features of an internationally renowned Geotechnical Log Management SaaS platform, resolved bugs, and ensured robustness through unit and integration testing.  
**Technologies:** .NET 7, ABP Framework, xUnit, MSSQL, Entity Framework, jQuery.

## Software Engineer, Sr. Software Engineer (Promoted)

Kaz Software (Dhaka, Bangladesh)

Jul 2020 – Sep 2023

At Kaz Software, I worked with prestigious international clients and global organizations, including **Japan Tobacco International (JTI)**, **UNICEF**, and the **International Bureau of Fiscal Documentation (IBFD)**. My role involved collaborating with clients and international stakeholders, delivering innovative software solutions tailored to diverse business needs.

- Re-architected document comparison and exploration features, developed digital taxation visualizations, and enhanced user engagement with intuitive onboarding tools.
- Optimized application performance by reducing bundle size and improving loading times. Utilized Lighthouse to monitor and benchmark performance improvements, resulting in a significant reduction in load times.
- Streamlined reporting with optimized database performance, reducing report generation time by up to 70%, and implemented real-time notifications.
- Enabled efficient data management and geospatial insights to support education for Rohingya refugee children, integrating scheduling, approval systems, and Google Maps.

**Technologies:** Go, .NET Core, MSSQL Server, MySQL, Angular, PrimeNG, SignalR, Google Maps, amCharts.

## Software Engineer

Next IT Limited (Dhaka, Bangladesh)

2018 – 2020

- Developed purchase order and order sourcing system for raw materials, and many reports using Crystal, RDLC reporting, including proforma invoice report, order status report, challan statement report, plant-wise production report.
- Improved software performance and source code by tuning stored procedures. Refactored a lot of spaghetti code. Took sessions on various topics for the newcomers to the team.

**Technologies:** ASP.NET MVC 4, AngularJS, SPA, SQL Server 2008.

## Software Developer

Ntitas IT Limited (Dhaka, Bangladesh)

2016 - 2018

- Revolutionized SAJIDA Foundation's microfinance operations by developing a Loan Appraisal System and mobile application, streamlining KYC data collection and application submission for hundreds of field officers, and enhancing efficiency and borrower accessibility.
- Contributed to ERP and HRM software development by developing robust features like task management, leave management, production management, etc.

**Technologies:** ASP.NET MVC 5, RDLC, SQL Server, WebApi-2, AngularJS, Ionic Framework.

## Education

- **Diploma in Civil Engineering**, Computer Science, and Business Studies Institute, Bogra. 2006 – 2010

## Key Achievements

- Streamlined SAJIDA Foundation's loan processing by digitizing the process, resulting in up to 75% faster loan disbursement
- Improved geotechnical report system stability by reducing bugs and improving overall system performance.
- Improved usability and performance of the Tax Research Platform by optimizing performance and redesigning some features.
- Supported UNICEF's EIMS project for Rohingya children, enabling efficient education data management.
- Mentored teams across multiple roles, fostering a culture of clean code and continuous improvement.