SHAWAL SIDDIQUE

Houston, Texas - 77002 | (641)-233-0752 | shaony10@gmail.com | LinkedIn: https://www.linkedin.com/in/shawal/

PROFESSIONAL SUMMARY

Detail-oriented Principal Software Engineer with over 12 years of experience designing, developing, and implementing scalable software solutions. Proficient in .NET, C#, Angular, React, AWS, Azure, and modern web frameworks like Angular and React. Demonstrated expertise in leading global teams, modernizing legacy systems, and delivering high-performance, innovative software solutions for diverse industries.

TECHNICAL SKILLS

Programming Languages: C#, JavaScript, TypeScript

Frameworks: .NET 8, ASP.NET MVC, .NET Framework 4.8, WPF, ADO.Net, Entity Framework,

Angular, React, Single-Spa (micro-frontend)

Databases: MS SQL, MySQL, PostgreSQL, T-SQL, DynamoDB, MongoDB, Cosmos DB

AWS Services: IAM, EC2, VPC, Cognito, Route53, RDS, SNS, SQS, SES, CloudFront, S3, Lambda, API Gateway, ALB, EKS, Event Bridge, Step Functions, Cloud Watch, Cloud Trail, AWS Bedrock (Gen AI), AWS Textract etc.

Azure Services: Azure AD, VM, Functions, Storage, DNS, SQL Database, Cosmos DB, Event Grid, Storage Queue, Service Bus, Monitor, Resource Manager, API Management, Key Vault etc. Tools: Serverless application SAM, Visual Studio (2008~2022), Visual Studio Code, IntelliJ IDEA, Postman, Jenkins, Docker, Kubernetes, Jira, YouTrack, Slack, SVN, Git, TFS, PlasticSCM, Postman, Jenkins for CI/CD, Azure DevOps, AWS DevOps, IIS, ,Kestrel, Agile, Scrum, etc. Design Patterns: Strategy, Factory, Command, Observer, Template, Micro-frontend, MVP, MVVM, Microservices, Event-Driven Development, SAGA, Circuit Breaker, CQRS etc. Technologies: HTML5, CSS3, Bootstrap, jQuery, Material controls, Telerik Controls, RESTful APIs, Web API, XML, SOAP, Webhook, XAML, Win32 interop, Twilio for IVR, and Video calling

PROFESSIONAL EXPERIENCE

Senior Software Developer Kforce, Inc | Florida, United States | Mar 2025 – Aug 2025 Client – United Airlines | Houston, TX, United Staes

- Developed and deployed an automated reporting solution with dynamic filtering, generating daily Excel-based employee work history reports and distributing them via email. Optimized T-SQL stored procedures and back-end logic to execute in under 7 seconds, improving performance by 70% and achieving 100% accuracy in data delivery.
- Designed and implemented an SSRS reporting solution to enable Excel exports separate sheets per group and dynamic ordering, meeting business requirements without impacting existing functionality. Improved reporting efficiency and usability compared to previous implementation, significantly enhancing decision-making processes.
- Developed and deployed a REST API adhering to RESTful principles and security best practices to support automated generation of employee letters upon probation completion. Delivered full unit test coverage using xUnit and Moq, integrated into the CI/CD pipeline, ensuring high performance, scalability, and modernization aligned with business needs.
- Collaborated on AWS Cloud migration strategy for a large on-premises application, designing scalable architecture diagrams and delivering comprehensive

documentation. Ensured adherence to AWS Well-Architected Framework, proposed improving security posture and enabling significant reduction in infrastructure costs.

Principal Software Engineer Kaz Software Limited | Dhaka, Bangladesh | May 2020 – Apr 2024

- A USA-based platform, P1ston, Inc, required a scalable order management solution to streamline supplier and customer interactions across diverse ERP systems. Architected and led the development of a serverless and microservices-based platform to enhance efficiency. Implemented AWS Step Functions, Event Bridge, SNS, SQS, DynamoDB, API Gateway, and Lambda, ensuring a fault-tolerant supply chain orchestration system to improve processing efficiency by 40%.
- Build a desktop application in WPF desktop application to enable the connector between the desktop ERP and the remote web API of P1ston that allows real-time configuration and data synchronization between them efficiently
- Transformed and modernized standalone products into a unified "REGANALYTICS" platform using micro-frontend and micro-service architecture, leveraging Angular, React, .NET, Node.JS, and AWS Serverless, enabling independent development and scalability to PaaS or SaaS increasing flexibility and driving new revenue streams through API sales 3 times higher.
- Migrated the Linkable News and Onto Store applications from classic instances to Azure VMs and refactored a few features leveraging Azure Functions, Storage, Event Hub, Redis Cache, Azure DevOps, etc. to make them up and running ensuring a highly available and fault tolerant within the lowest cost
- Led the British Red Cross Alarm app development for disaster management, backend APIs leveraging .net web API in a quick, secured, and manageable approach, allowing fast implementation in case of disaster

Principal Software Engineer Kaz Software Limited | Dhaka, Bangladesh | Jul 2014 – Apr 2020

- Spearheaded the development of ENQUE by OCTAVA (USA) product using ASP.NET Web API, AngularJS, AWS, Stripe Payments, and Xamarin for Android/iOS, enabling orchestras to manage location-based events, increasing audience engagement and sharing performance slides in real-time on USA based Orchestra performance events.
- Led the development of Proposal Software/Rocket Docs (USA) using C#, O Data, CQRS, and refactored legacy code into modular, reusable components, resulting in a stable, low-bug product with cost-effective maintenance.
- Led the development of Linkable News (USA) using C#, ASP.NET, Azure Services like VM Instances, blob storage, SQL Database, Azure AD, etc. To provide the high performant application to tag and connect news from multiple sources and can generate the recommended news for users on their current interest context.
- Led the development of Dairy Applications development using ASP.NET Web API, AngularJS, AWS, Android/iOS, and IoT, the platform assists farmers in creating nutrition-based recipes to boost milk production, with a mobile app for recipe prep and an admin portal for farm management, recipe configuration, and reporting.
- Developed the Broomberg Translations and Associates (USA) OPI Gateway application using C#, ASP.NET, Java for Android, and Twilio, enabling IVR-based translation services and three-way video calling between Doctor, Patient, and Translator in the health sector of USA. Increased quality and stability by 35% for audio and video calls.

Senior Software Engineer

Kaz Software Limited | Dhaka, Bangladesh | Jan 2012 – Jun 2014

- Implemented the Web application for Qatar Financial Center (QFC) using C#, ASP.NET, Angular JS, and MSSQL to enable the treaties information analysis that increased the tax analysis with 25% increased accuracy.
- Led the development of Onto Store for (USA) using C#, ASP.NET, Azure Services to provide a scalable application to define the ontology or the naming convention for any domain such as DNS naming systems.
- Led the development of Transfer Pricing Analyzer, World Tax Analyzer, and Global Trade Analyzer tax/trade products to implement Single Page Applications (SPA)

Software Engineer

Kaz Software Limited | Dhaka, Bangladesh | Dec 2008 – Jan 2012

- Worked in Transfer Pricing Analyzer using ASP.NET, Ext JS to implement Single Page Applications (SPA) which increased 70% performance of the application.
- Worked on the Meridian file system server application and developed the AMFS driver by extending the NTFS driver code

Programmer

BJIT Limited | Dhaka, Bangladesh | May 2008 – Dec 2008

- Developed the Disk Defrag project as a desktop application in C/C++/VC++ with two new defragmentation algorithms
- Created the Data Recovery project to restore deleted data from NTFS MFT, even when corrupted increased 27% higher recovery rate.
- Built the Data Cleanser project to enhance file deletion speed for faster large-scale disk cleaning.

Programmer

Synchronous ICT | Dhaka, Bangladesh | Jul 2007 - Apr 2008

• Develop desktop applications using VC++, C/C++, OPAL, PWLIB.

Programmer

Inspiration Software Limited | Dhaka, Bangladesh | Jan 2007 – Jun 2007

• Develop desktop applications using VC++, C/C++.

EDUCATION

- Master of Science in Computer Science (In Progress) Maharishi International University | Fairfield, Iowa Expected Completion: 12/2026
- Bachelor of Science in Computer Engineering American International University
 Bangladesh | Dhaka, Bangladesh
 Graduated: 12/2006

CERTIFICATIONS

AWS Certified Solutions Architect – Associate Amazon Web Services (AWS) | May 2021 AWS Partner: Accreditation (Technical) Amazon Web Services (AWS) | Mar 2021