AKHER UZZAMAN

Senior Software Engineer

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🔗 https://www.linkedin.com/in/akheruzzaman | 🔗 https://www.youtube.com/@akheruzzaman3943 | 🔗 https://github.com/akher123

ABOUT ME

I am a Software Engineer and Solution Architect specializing in the full lifecycle of software system development, including architecture design, development, testing, deployment, and maintenance. My focus is on designing and building cloud-native, scalable, and secure enterprise applications using modern technologies and architectural principles. I work across a wide range of platforms and frameworks such as C#, .NET Core, CQRS, MediatR, EF Core, Dapper, Clean Architecture, API Gateway, and Cross-Cutting Concerns. I apply Modular Monolithic and Microservices design patterns with Dependency Injection, IdentityServer (3 & 4), SSO, and MFA for secure and maintainable solutions. I design and automate Azure CI/CD pipelines using Azure DevOps to enable seamless continuous integration and deployment for distributed systems. My expertise also extends to data engineering and analytics, covering Data Warehousing, SSRS, SSIS, MSBI, Power BI, and advanced areas such as Machine Learning, NLP, Tokenization, Lemmatization, Generative AI (RAG), and Vector Databases. I am passionate about Software Architecture Design, Localization and Globalization strategies, and delivering innovative, user-focused solutions that align technology with business goals

WORK EXPERIENCE

Senior Software Developer (Manager) | Dependable Solutions Inc's | El Segundo | Dec 2023 - Present

- Led the development of a scalable, secure Licensing Management Software, supporting 50,000+ users, achieving a 15% reduction in licensing errors and increasing system uptime to 99.99%.
- Streamlined Microsoft Azure CI/CD pipelines to enhance deployment efficiency and system reliability.
- Orchestrated the management of release branches, ensuring smooth testing and deployment across various environments.
- Directed production release operations, coordinating hotfixes and implementing zero-downtime deployment strategies.
- Provided technical mentorship to developers, conducted code reviews, and upheld high-quality code standards.
- Initiated R&D in AI, ML, and automation to integrate advanced features into the product.
- Delivered comprehensive full-stack software solutions encompassing APIs, user interfaces, databases, and system integrations.
- Led the modernization of DRM network architecture, and the implementation of Power BI and SSRS reporting tools.
- Designed and implemented an in-house authentication system featuring SSO/MFA and modular API systems.
- Managed team dynamics, overseeing planning, recruitment, onboarding, and performance evaluations.
- Developed an in-house SSO and MFA solution, resulting in an annual savings of $50,000 on third-party expenses.
- Engineered AI-powered DRM Help Desk Assistant and Financial QA Assistant tools to enhance user experience.
- Initiated the development of DRM4 on .NET Core 9 with Razor Pages, targeting future platform modernization.
- Created a centralized configuration system for managing client-specific settings and preferences.
- Developed an SSRS report viewer using Razor Pages, integrated with SSRS SOAP service for enhanced reporting capabilities.
- Implemented Power BI embedding within a web application to provide real-time analytics.
- Led a team of software developers in the design and implementation of innovative software solutions.
- Collaborated with cross-functional teams to define, design, and deliver new features effectively.
- Ensured code quality and organization through code reviews and developer mentorship.
- Managed the software and applications life cycle from initial conception to production deployment.
- Oversaw the development of comprehensive documentation throughout the software development process.
- Coordinated with stakeholders to gather software requirements and provide progress updates.
- Drove continuous improvement in software practices through targeted training and development initiatives.
- Troubleshoot, debugged, and upgraded existing systems to ensure optimal performance.
- Implemented robust security and data protection solutions within software applications.
- Contributed to strategic planning and roadmap development for key software projects.
- Led cross-functional teams to deliver high-quality software on schedule and within budget constraints.
- Designed, developed, and maintained scalable, high-performance software systems and architectures.
- Implemented best practices in coding standards and conducted thorough code reviews to maintain excellence.
- Collaborated with product managers to clearly define software requirements and strategic roadmaps.
- Managed the full software development lifecycle, ensuring effective testing, deployment, and maintenance.
- Provided technical leadership and mentorship to junior software developers, fostering skill development.
- Drove continuous improvement in software engineering practices within the team.
- Analyzed and improved the efficiency, scalability, and stability of system resources.
- Stayed abreast of emerging technologies, integrating them into existing systems where beneficial.
- Handled project management tasks, including sprint planning, progress tracking, and reporting.
- Lead cross-functional teams to deliver high-quality software products within deadlines.
- Design, develop, and implement software solutions based on system architecture and project requirements.
- Collaborate with product managers to define software requirements and roadmap.
- Manage the software development lifecycle, including planning, documentation, testing, and deployment.
- Conduct code reviews, ensuring adherence to coding standards and best practices.
- Provide technical mentorship to junior developers and promote skill development.
- Drive continuous improvement in software engineering practices within the team.
- Coordinate with stakeholders for feature prioritization, sprint planning, and resource allocation.
- Report on project status, challenges, and accomplishments to senior management regularly.

Senior Software Developer (Team Lead) | Dependable Solutions Inc's | El Segundo | Jan 2021 - Dec 2025

- Led a team of 8 developers in all aspects of software development, introducing Micro-services, Clean Architecture, Entity Framework, API Gateway, and SSO using IdentityServer4. Project budget was $300,000. Improved team velocity by 25% by implementing Agile methodologies.
- Designed and developed complex web-based applications, maintained system documentation, guided developers, and served as technical supervisor.
- Ensured best practices and quality standards in project development.

Senior .NET Developer (Consultant) | Dependable Solutions | El Segundo | Feb 2020 - Jan 2021

- Wrote clean, scalable code using .NET languages, optimized queries, handled bugs, hotfixes, and data change requests on DRM and RTS applications.
- Participated in daily stand-ups, sprint planning, reviews, and merges.
- Collaborated with team members and clients for issue resolution

SSRS Developer (Part-time Consultant) | Dependable Solutions Inc's | El Segundo | Jul 2019 - Jan 2020

- Developed and migrated internal reports from Sybase to SSRS, extracted data from data warehouse, created ad-hoc reports, modified stored procedures, analyzed data models, designed reports, and performed QA testing.

Part Time ERP (Accounting Module) Developer | Multfabs Ltd | Gazipur | Jan 2019 - Dec 2020

- Designed and developed financial modules using Oracle 11g, AngularJS, Kendo, Web API, MVC.
- Migrated data from Telly ERP, developed financial reports, and integrated modules.

Technical Consultant | Infinity Technology International Limited (ITIL) | Dhaka | Sep 2017 - Sep 2019

- Designed web-based remittance management system, E-Recruitment system for BPSC, Naval training management, officer info system, and pension management system using HTML, Bootstrap, ASP.NET Web API2, SQL Server 2017, Angular.js, IdentityServer3, SSRS.

Technical Team Lead | Soft Code | Dhaka | Jul 2018 - Jul 2019

- Designed software architecture for ERP, system analysis, database design, complex query development, technical support to developers.

Senior Software Engineer | Soft Code | Dhaka | Jul 2016 - Jun 2018

- Designed software architecture, integrated SSRS reporting in ERP, system analysis, database design, technical support, and developed ERP modules for garment manufacturing including financial, inventory, merchandising, production, and supply chain.

Software Engineer | Soft Code | Dhaka | Jun 2014 - Jun 2016

- Designed ERP systems, developed HR and Payroll modules, supported clients, fixed bugs, and managed deployment.

Programmer | TRRC, IU (Under HEQEP Project) | Kushtia | Jan 2013 - Aug 2014

- Developed university result processing system, debugged code, trained end-users, responded to support requests, implemented systems in production.

Jr. Software Engineer | Computer Services Limited | Dhaka | Sep 2013 - May 2014

- Designed data-driven web frameworks, entry forms, views, built client websites, fixed bugs, and tested.

Dot Net Lead Trainer | Sarang Tech | Kushtia | Aug 2012 - Dec 2012

- Conducted training, created courseware, mentored freshers, took exams, provided reports, executed responsibilities.

EDUCATION

Master of Science (M.Sc.), Islamic University, Kushtia, Kushtia | 2012

- Field of study: Information and Communication Technology (ICT), CGPA: 3.39 out of 4.0

B.Sc. (Hon's), Islamic University, Kushtia, Kushtia | 2011

- Field of study: ICT, CGPA: 3.42 out of 4.0

Higher Secondary School Certificate (H.S.C), Cumilla Residential College, Cumilla | 2007

- Group: Science, GPA: 4.70 out of 5

Secondary School Certificate (S.S.C.), Sachare Multi Literal High School, Chandpur | 2004

- Group: Science, GPA: 3.5 out of 4.0

SKILLS

- Software Architecture Design pattern and Principal | C#.NET, .NET CORE | OAuth2.0, OpenID Connect
- IdentityServer3/4, SAML2, Microsoft Active Directory, SSO, MFA | Domain-Driven Design: Entities, Value Objects, Aggregates, Agg. Roots
- CQRS, MediatR, and Clean Architecture | RabbitMQ, MassTransit | REST API, gRPC, GraphQL | Yarp ApiGateway, Refit
- Logging, Exception Handling, Health Checks | Azure DevOps, CI/CD pipelines, Release Automation
- Generative AI, LLM, OpenAI, Prompt Engineering, RAG, VectorDB | Python, Numpy, Pandas, NLP, ANN
- ASP.NET Web Forms, Minimal API, MVC, Razor, Blazor, .NET MAUI | Microsoft SQL Server, SSRS, RDLC, Crystal Reports, ITextSharp
- JSON, JQuery, AJAX, JavaScript, AngularJS, Angular, TypeScript | Data Warehouse, MSBI, ETL, Power BI embedding
- Entity Framework, Dapper, ADO.NET | AutoMapper, Mapster | DI Containers (Autofac, Ninject) | Serilog, NLog, Log4Net
- HangFire, TDD, XUnit, NUnit | Git, SVN, TFVC | Azure Cloud Services (Compute, Storage, Networking) | Cloud Computing | Terraform

LANGUAGES

- Bangla (Superior/Native) | English (Advanced Mid)

PERSONAL DETAILS

Nationality	Date of birth	Marital status
Bangladeshi	18 Apr 1988	Married

COURSES

.NET 8 Microservices: DDD, CQRS, Vertical/Clean Architecture | Mehmet Ozkeya | Jan 2024 - Present

.NET 8 Backend Bootcamp: Modulith, VSA, DDD, CQRS and Outbox | Mehmet Ozkeya | Jul 2024 - Present

Generative AI Architectures with LLM, Prompt, RAG, Vector DB | Mehmet Ozkeya | Jul 2025 - Present

Object-oriented Programming | Bangladesh Association of Software and Information Services (BASIS) | Jan 2012 - Apr 2012

Software Design and Architecture | BASIS Institute of Technology & Management (BITM) | Dec 2013 - Feb 2014

Agile Workshop | BASIS Institute of Technology & Management (BITM) | Feb 2018 - Feb 2018

REFERENCES

Amy Malyez | Dependable Solutions, Inc. | (424)213-6017 | amy@dependablesolutions.com

Hasan Siddique | Dependable Solutions | +880-1684278607 | hasan@dependablesolutions.com

John Baker | ID Plans | johnandrewbaker88@gmail.com

Masud Ahmed | Humana | +1702 768 4621 | masudxahmed@gmail.com

EXTRA-CURRICULAR ACTIVITIES

General Member | Information and Communication Technology Alumni Association (ICTA) | Jan 2022 - Present

- ICTA brings former students together to maintain a connection with the Islamic university and fellow graduates.

HOBBIES

- Gardening – Enjoy nurturing plants and creating green spaces.
- Reading – Passionate about self-improvement literature and knowledge expansion.
- Learning New Technology – Keen on exploring emerging digital tools and innovations.
- Teaching – Enthusiastic about sharing knowledge and mentoring others.