Mohammad Masud Alam
Technical Lead

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Professional Summary

Results-driven Technical Lead with over 12 years of experience in software development, system architecture, and team leadership. Expert in .NET, .NET Core, Angular, and cloud platforms (Azure, AWS). Proven ability to deliver scalable, cost-effective solutions and lead cross-functional teams in Agile environments. Key achievements include reducing cloud costs by 20%, improving system performance by 30%, and delivering high-impact enterprise applications across diverse industries. Passionate about driving technical excellence and achieving business goals through innovative solutions.

Technical Skills

Core Expertise

- **Backend Development**: .NET Core, ASP.NET, C#, Entity Framework, REST APIs, Microservices , Django , Springboot.
- **Frontend Development**: Angular, React , TypeScript, HTML5, CSS3, RxJS, NgRx, Bootstrap, DevExtreme , PrimeNG , Next.JS
- **Cloud Platforms**:AWS (Lambda, Elastic Beanstalk, S3). Azure (App Services, Functions, Key Vault),
- **Database Management**: MS SQL Server, PostgreSQL, Redis, MySQL.
- **DevOps & CI/CD**: Azure DevOps, GitHub Actions, Docker, Jenkins, Kubernetes , Terraform, Grafana.
- **Design Patterns & Architectures**: CQRS, DDD, TDD, Onion Architecture, SOLID Principles.

Additional Tools

- Project Management: Jira, Azure Boards, Confluence.
- Testing Tools: xUnit, Jest, Cypress, Postman.
- Version Control: Git, Azure DevOps, TFS.

Education

Masters of Science in Computer Science and Engineering
Jahangirnagar University - Dhaka, Bangladesh
March 2022 - August 2023

Bachelor of Science in Computer Science and Engineering
Jahangirnagar University- Dhaka, Bangladesh
Mar 2007 – Aug 2012

Professional Experience

BaryTech - Dhaka , Bangladesh
Senior Technical Lead
January 2022 – Present

- Led a cross-functional team of 18 developers in Agile sprints, ensuring on-time delivery of high-quality software.
- Architected and developed scalable web applications and RESTful APIs using .NET Core, Angular, and AWS services.
- Designed microservices-based architecture, enhancing system modularity and reducing maintenance time by 30%.
- Reduced cloud infrastructure costs by 20% through optimized deployment pipelines and resource allocation.
- Integrated third-party services like Zoho CRM and payment gateways for seamless product functionality.

Key Achievements: Delivered a cloud-based Knowledge Management System, improving operational efficiency by 25%.

WebCreek - Remote
Senior Software Developer
May 2022 – May 2023

- Re-architected legacy systems by developing modern APIs with .NET Core, boosting performance by 40%.
- Led a team of 4 developers, managing task distribution and conducting code reviews to maintain clean code standards.
- Implemented OpenAI-powered features, including text-to-speech and machine translation, enhancing user accessibility.
- Deployed scalable solutions on AWS using Elastic Beanstalk, EC2, and S3

Key Achievements: Successfully delivered multiple CRM software releases within tight deadlines and budgets.

APPsolute Mobility GmbH- Remote
Frontend Developer
May 2022 – May 2023

- Migrated legacy AngularJS applications to Angular, improving performance and user engagement by 20%.
- Reduced build times by 30% by optimizing workflows with Nx and Docker.
- Successful migration and database performance improvement.

Key Achievements: Delivered a modern UI for enterprise applications, reducing bounce rates by 15%.

[CloudApper AI](#) - Dhaka , Bangladesh
Development Lead, Front-end Engineering
September 2021 – December 2021

- Spearheaded the development of a SaaS platform enabling rapid business task automation, launching the product in 6 months.
- Migrated legacy APIs to .NET Core, enhancing usability by 50% and cutting infrastructure costs by 30%.
- Developed a SPA using Angular, improving scalability and system performance.

Key Achievements: Launched a successful SaaS platform adopted by multiple enterprises.

[Fronture Technology](#) – Dhaka, Bangladesh

Senior Software Engineer
September 2014 – June 2018

- Delivered 10 major software releases, leveraging CI/CD pipelines to streamline deployment.
- Led the development of "Mom's Cradle LMS," enhancing engagement by 30% and reducing response times with Redis caching.
- Conducted code reviews, ensuring adherence to clean code principles and industry standards.

Key Achievement: Increased company revenue by 20% through innovative solutions and leadership.

Software Engineer
September 2012 – July 2014

- Assisted team leads in analyzing system requirements and designing features for critical projects.
- Developed and launched the Wiptime time-tracking application, streamlining enterprise time management processes.
- Delivered a Word Add-in for legal workflows, improving document management efficiency for legal professionals.
- Utilized technologies such as ASP.NET, Web API 2, SQL Server, Java, Hibernate, and Spring to deliver robust software solutions.

Key Achievements: Successfully launched enterprise-grade solutions that improved workflow efficiency by 25%.

Key Projects

[EINO – Knowledge Management System](#)

BaryTech

- Designed and implemented scalable core APIs using .NET Core, ASP.NET Core, and RESTful Web Services, reducing data retrieval latency by 30%.

- Developed cloud-based services leveraging AWS (Elastic Beanstalk, ECS, S3) to ensure high availability and scalability.
- Integrated third-party payment and subscription systems like Zoho Billing and Google Play for streamlined user transactions.
- Delivered real-time notification capabilities using SignalR and Google Firebase.

Softbase CRM Solution

WebCreek

- Re-architected legacy systems by developing modern APIs using .NET Core and CQRS design principles, improving performance by 40%.
- Implemented a scalable logging mechanism with Serilog and Elastic Logs for improved error tracking and diagnostics.
- Developed event-driven architecture with Spring Boot and Apache Kafka, ensuring efficient message processing and distribution.
- Automated deployment pipelines with AWS Elastic Beanstalk and GitHub Actions, reducing deployment times by 50%.

AppSolute InTouch – Enterprise Application

APPsolute Mobility GmbH

- Migrated legacy AngularJS applications to Angular, resulting in a 20% improvement in application responsiveness.
- Automated build and testing workflows using Jenkins, reducing defect rates by 40% and build times by 30%.
- Enhanced front-end architecture with Nx and Docker, enabling modular and maintainable application development.

CloudApper – SaaS Platform

CloudApper AI

- Spearheaded the development of a SaaS platform enabling rapid app creation, achieving a successful product launch in six months.
- Migrated legacy APIs to .NET Core, enhancing usability by 50% and reducing infrastructure costs by 30%.
- Developed a SPA using Angular to improve scalability and user experience.

Mom's Cradle LMS – Learning Management System

Fronture Technology

- Designed and maintained a platform connecting mothers to essential tools and resources, improving user engagement by 30%.

- Developed robust back-end services using .NET Core and SQL Server for seamless data management and scalability.
- Integrated Redis caching to optimize application performance during peak usage periods.

Wiptime – Time-Tracking Application

Fronture Technology

- Developed a cross-platform time-tracking solution for enterprise clients, ensuring compliance with business requirements.
- Designed and deployed iOS and Android applications using Objective-C and Java, providing a seamless user experience.
- Improved efficiency in time management processes for enterprise clients through intuitive design and robust performance.

US Court Forms Office Add-In

Fronture Technology

- Re-designed and developed a Word Add-in for legal workflows, providing access to a comprehensive repository of court and agency forms.
- Integrated advanced back-end capabilities using C# and SQL Server, reducing document retrieval time by 25%.
- Improved user satisfaction by creating a seamless and intuitive interface for legal professionals.