# **Mohammad Masud Alam**

# Technical Lead

💌 masud.official@gmail.com 📞 +8801610100581 💡 Dhaka, Bangladesh

in https://www.linkedin.com/in/masudrony/ k https://masudrony.com/

# Summary

In the competitive landscape of software engineering, where success hinges on excellence, I stand as a seasoned full-stack web developer, dedicated to delivering exceptional, user-centric websites and applications that leave an indelible mark. With an unwavering commitment to staying at the forefront of cutting-edge web technologies and a robust foundation in computer science, I bring a wealth of knowledge and expertise to each project.

In my 12+ years long endavour, I was fortunate to work with cutting-edge systems. Which led me to accquire deep skills .NET, .NET core and Angular(Typescript). To add some topings to it I had some fun working with mobile technolgies like Objective C, IOS Sdk and Android. I will offer direction, strategy and planning with creative, performance-oriented approach. My skill highlights -

- Successful Full Stack Software Engineer offering 12+ years of experience
- 99% client satisfaction rate, with a track record of pivotal contribution across enterprise level products.
- Well-organized and customer-focused with proven skills in project management and team leadership.
- Agile methodology experience using product management tools like jira, Azure Devops

# Skills

#### .NET and .NET Core

.NET, .NET Core, ASP.NET, ASP.NET Core, Entity Framework, Clean Architecture, CQRS pattern with MediateR, Onion Archtecture

#### **Cloud and Infrastructure**

AWS, AWS S3, Elastic Beanstalk, EC2, ECS, RabbitMQ, Redis, Apache Kafka

#### **Python**

Python, Django Frameworm, Django Rest

#### **Frontend**

Html, CSS, Javascript, Angular, ReactJS

# **Database and Storage**

Postgres, MongoDB, Apache Solr, Amazon S3, Apache Solr, Elastic Stack for Logs and Monitoring

# Professional Experience

## **BaryTech**

Technical Lead

01/2022 - present

Berlin, Germany

Currently I am a leading a team of developers while focusing my time and energy to strategize solutions for customer requirements . My responsibilites and achievements included

- Serving as technical lead for a 2 projects involving cloud automation, knoledge base management and diagnostic software products
- Leading a team of 10 developers in a sprint based model for task management

- Lead, designed and developed the creation of lead generation software that allowed a 40% improvement in sales
- Collaborated with cross-functional development team members to analyze potential system solutions based on evolving requirements and product analysts
- Optimized cloud infrastructure and resource allocation, resulting in a 20% reduction in operational costs without compromising performance.
- Effectively managed remote or distributed teams, ensuring collaboration, productivity, and project success.
- Stayed at the forefront of industry trends and emerging technologies, leading to the successful implementation of innovative solutions.
- Achieved 50% year-over-year account growth

#### WebCreek

Senior Software Developer (Part Time) ☑

I had joined webcreek for a contract based job where my responsibility was to develop enterprise solutions as a Full Stack developer . My activities there included

- Develop a CRM and HR Solution project Car Parts company
- Successfully introduced new technologies (e.g., microservices, serverless computing) that improved development efficiency and product scalability.
- Conducting feasibility studies for upgraded software systems
- Designing new software programs, websites, and applications
- Assigning tasks to junior developers such as coding, testing, debugging, and analytics

## **APPsolute Mobility GmbH**

Frontend Developer

I joined the team of appsolute mobility as a Freelance Frontend developer. My primary responsibility was to provide them with an enterprise structure for their new angular project and convert existing angular JS project to angular.

- Designed and implemented a modern and intuitive user interface, resulting in a 20% increase in user engagement and a 15% decrease in bounce rates.
- Enhanced development workflows by implementing modern build tools (e.g., Webpack, Nx, RxDb) and version control processes, reducing build times by 30%.
- Designed the overall architecture of angular Frontend application using Nx
- Automated build and testing using docker and jenkins
- Enforced coding standards and best practices, resulting in a 40% reduction in code defects and improved maintainability.
- Actively pursued professional development, staying updated with the latest frontend technologies, frameworks, and design trends, and applying them to improve project outcomes

# **M2SYS Technology**

Development Lead of Frontend Engineering (Part - Time)
I was assigned to this temporarily before I went into Appsolute Mobility. I was working part time as a technical lead to prepare them for their transition.
Summary of the role

- Established robust code review and testing processes, resulting in a 40% reduction in post-release defects and improved software quality.

05/2022 - 05/2023

Remote, Dhaka

04/2021 - 05/2023

Remote, Germany

09/2021 - 12/2021

Dhaka, Bangladesh

- Leading a small Team of developers to revise, modularize and update old code bases to modern development standards, reducing operating costs and improving functionality
- Led software development initiative as subject matter expert and primary point-of-contact for project management staff
- Managed team of 8+ employees; including full-time, part time, assistants, and trainees
- Redesigned the product's architecture reducing processing time of big files by 70%

#### Senior Software Engineer

- Spearheaded a cross-functional team to design and implement a critical realtime messaging feature, resulting in a 30% increase in user engagement within three months of deployment.
- Identified and resolved a major performance bottleneck in a legacy database system, reducing query response times by 50% and improving overall system reliability.
- Established a mentoring program for junior engineers, resulting in a 20% improvement in their coding skills and a 50% decrease in the time required to onboard new team members.
- Integrated online payment gateways which has boosted sales and revenue by 50% in a span of month
- Developed and deployed 3 applications generating millions of revenue
- Introduced improved methodologies and best practices to software development division to enhance product definition and application customization with success
- Provide integration solutions between different product lines in the company infrastructure
- Orchestrated efficient large-scale software deployments, including testing features and correcting code
- Increased user satisfaction with 70% by re-coding a pre-published project

# **Fronture Technology**

## Senior Software Engineer

I was promoted to senior software enigeer post because of my excellent performance in ongoing client projects. I was able to increase company revenue by 15% in the year 2013 .

- Worked closely with other business analysts, development teams and infrastructure specialists to deliver high availability solutions for missioncritical applications
- Had achieved the employee of the Year award in 2014
- Lead a small team of developers to design develop and maintain mission critical projects
- Increase reveneue by 20% from our customers
- Increased user satisfaction with 70% by re-coding a pre-published project
- These projects were the main profit generation source for the company
- Write optimized scripts for data-heavy & processing heavy task automation
- Contributed in delivering 10 major releases with high quality ratings by customer and fully automated CI/CD pipeline with automated Tests

07/2018 - 06/2021

Dhaka, Bangladesh

09/2014 - 06/2018

Dhaka, Bangladesh

Software Engineer

09/2012 - 07/2014

- Working closely with other developers leads to implementing solutions per Dhaka, Bangladesh

- System Analysis and design for feature requirements
- Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions
- Finishing the Wiptime project with customer satisfaction

# **Education**

# **Masters of Science in Computer Science and Engineering**

**Bachelor of Science in Computer Science and Engineering** 

03/2022 - 08/2023 Savar, Bangladesh

Jahangirnagar University

03/2007 - 08/2012

Jahangirnagar University

Savar, Bangladesh



#### EINO 🛮

12/2021 - present

the digital assistant for saving and finding your own knowledge Imagine you have a search engine for your own important topics. Your own knowledge- save, search, learn, share or store platform in the form of media data as text, audio, video or document inside your company network. My involvement in the proejct is following -

- Architechting the whole technical aspect of the product
- Planning product roadmap, deliverables and tracking the progress using agile process in jira
- Desinging the complete CI/CD for both frontend and backend (github actions, docker, elastic beanstalk, EC2, ECS)
- Successfully shipped and launched the product in App stores and web platform
- Technologies used: Angular, Python, Django, Nx, Capacitor, Docker, S3, AWS Beanstalk, Github actions, Zoho Subscription

## AppSolute Intouch 🛮

04/2021 - 01/2022

Time tracking made easy for your organization

It was developed specifically for the business processes surrounding the deployment of external employees and enables end-to-end digitization of these processes (after connection to the company's own ERP/CRM system). Paperwork, time-consuming manual processing, complex approval processes and a lack of transparency for customers and employees are finally a thing of the past.

- My responsibility was to evaluate project requirements and specifications and provide frontend solutions using Angular and Capacitor.
- Directly involved with the Frontend architecture using Angular and Nx.
- Tehcnologies used in the project are: Angular, Nx, Capacitor, Docker

## CloudApper 🗹

07/2018 - 12/2021

Say Goodbye To Software-Related Headaches . Design with no code Cloudapper is a SAAS solution platform empowering businesses to automate tasks , improve productivity and augment IT resources . Kernello apps enables anyone to easily create the apps they need to unleash the true power of their devices.

- Successfully taken a legacy product into market within 6 months
- Helped re-write the services that were lagging in performance and improve usability by 50%
- Architected contained based deployment which helped reduced the cost by 30%
- I was promoted as the Development Lead of Frontend Engineering
- Technologies used: Angular, Python, Django, Nx, Capacitor, Docker, S3, AWS
   Beanstalk, Github actions, Zoho Subscription, .NET, .NET Core API, Docker,
   Apache Solr, Redis

# **Mom's Cradle LMS System**

09/2017 - 06/2018

Mom's Cradle is a platform designed to connect moms and help them find tools to make nurturing easie

- It is a project initiated by WHRC and implemented by Fronture technology Ltd.
- I was appointed as Senior software engineer and oversaw a small team.
- Technologies used: ASP.NET, .NET Core, Angular, SQL, Redis

## **DevOps as a Service**

12/2013 - 08/2017

Worked as DevOps Engineer at Thomson Reuters Elite for 4 years. My responsibility was following

Worked as DevOps Engineer at Thomson Reuters Elite for 4 years. My responsibility was following

- Designed and implemented a highly available infrastructure for clients, resulting in 99.99% uptime and no reported unplanned downtime over a year
- Established automated CI/CD pipelines for clients, reducing deployment times by 60% and increasing deployment frequency to multiple times per day.
- Conducted a comprehensive cost analysis and optimization for clients' cloud resources, resulting in a 20% reduction in infrastructure costs while maintaining or improving performance
- Implement Disaster recovery management with three data centers located in different states

# **Release Management and Continuous Integration:**

- Before the DevOps team was formed, I joined the effort of migrating ALM data from starteam to TFS at Thomson Reuters Elite as a contractor.
- I was responsible for developing work item and source control migration tools from different legacy sources like StarTeam, Jira, and Rally to Team Foundation Server.
- Develop a Syncing tool between CRMOnDemand to TFS issue tracking system.

# **Application Performance Management Test Automation System:**

Elite 3E offers powerful financial and practice management features and built-in application development capabilities. I worked for the test automation team.

Technologies Used: C#, ASP.NET, Java, Team Foundation Server, Starteam, NANT, PowerShell, SQL

# Wiptime 🛮

09/2012 – 11/2013

Wiptime is a time tracking application providing enterprise business solutions to clients and employes of an organization in tracking their time anytime anywhere

- Developed the IOS application maintinging full requirement
- Worked as a team member with the Android and the Blackberry versions.

# **US Court Forms Office Add in**

I worked as a software developer to re-design and develop Word Add in for American legal Net. It is a Workflow solution that provides access to the most current and comprehensive collection of essential Court and Agency forms via an open Internet-based system.

Development Technology: C#, SQL Service, Office Add in.