

Md. Shohel Al Mahmud

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Nationality: German

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Profile

Senior Software Engineer with 15+ years of experience across diverse technologies, specializing in Software Architecture, Development, Automation, and Integration. Known for creativity, integrity, and a forward-thinking approach. Strong in both cross-functional collaboration and individual contributions.

Professional Experiences

Elabs AG,

Development Lead/Senior Software Developer,
November 2012 – August 2024

- **Platform and System Automation:** Developed and optimized Elabs AG's platforms, streamlining IT service delivery through strategic system architecture and automated workflows, resulting in improved efficiency.
- **Software Innovation:** Implemented MobilExpert, a digital vehicle assessment application, significantly enhancing assessment accuracy and reducing claim processing times.
- **AI and Sensor Integration:** Engineered a machine learning model for thermal and infrared sensor integration, achieving high precision in movement and body part detection, and enhancing automated security systems.
- **Microservice-Based Solution:** Designed and developed solutions based on Microservice Architecture, utilizing RabbitMQ, Azure DevOps, and containerized systems to ensure scalability and flexibility.

Grameenphone Ltd.

Deputy Manager / Senior Software Engineer,
2005 – 2009

- **Intelligent sales systems:** Development of a location-based intelligent sales system for desktop and web platforms to optimize sales processes.
- **Document Management System:** Development of a subscription Document Management System for more than 10 million telecom subscribers, including efficient data storage and retrieval.
- **Online Banking System:** Design, develop, and integrate an online banking system, including connectivity to billing systems and banks for seamless transactions.

Educations

Master of Engineering in IT,
Frankfurt University of Applied Sciences, Germany (2010 – 2012)

B.Sc.(Engr.) Computer Science and Engineering,
Asian University of Bangladesh (2000 – 2004)

Certifications

- **IBM AI Developer Professional Certificate** – IBM, 2025
- **Building Generative AI-Powered Applications with Python** – IBM, 2025
- **Developing AI Applications with Python and Flask** – IBM, 2025
- **Python for Data Science and AI** – IBM, 2025
- **Microsoft Azure Solutions Developer** – Microsoft Certified, 2020
- **PRINCE2 Foundation in Project Management** – AXELOS, 2017
- **Oracle Database Advanced PL/SQL** – Oracle University, 2007

Technical Skills

- **Programming Languages:** C#, Python
- **Frameworks and Tools:** .NET, .NET Core, ASP.NET, ASP.NET Core, MVC, Web API, WCF, WinForms, WPF, JavaScript, jQuery, CSS3, HTML5, XML, JSON, Bootstrap, FTP(S) Server. Visual Studio, VS Code, PyCharm, NumPy, Pandas, Flask
- **Databases:** SQL Server, SQLite, MySQL, Oracle; proficient in database design, indexing, and performance tuning.
- **Artificial Intelligence(AI):** Machine Learning(ML), Large Language Model(LLM), NLP, YOLOv8, Infrared Camera, and Sensor Systems.
- **Cloud and DevOps:** Azure DevOps, Jenkins, Git, GitHub, Jira, Docker, Kubernetes, Microservices, CI/CD Pipelines.
- **IoT and Automation:** IoT Development with RabbitMQ, MQTT, Sensors, SIP, and Smart Meter.
- **Scripting:** PowerShell, Bash, Shell
- **Operating Systems:** Windows, Linux, Mac

Additional Skills

- **SAP and Dynamics 365:** Integration and data synchronization using D365 API and SDK.
- **Identity Management: Identity Server** for access token and role management.
- **Custom Service Development:** Twilio serverless Service solution Development.
- **SharePoint Development:** Expertise in Power Automate and Power Apps.
- **SaaS Expertise:** Customize, and integrate Citrix (Atria), SaaS solutions, and Active Directory. Background Intelligent Transfer System (BITS)
- **Robot development:** Robot Development using Robo Basic.

Languages

English: Advanced

German: B1 Level (Actively Improving)

Bangla: Native