




Kazi Mostafa Shahriar

Software Developer



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Skills

Programming Language

C#, Python, Javascript, Typescript, Java, HTML, CSS, Scala

Framework

.Net, NodeJs, React, Angular, Entity Framework, Apache Spark

Tools

Git, SVN, Github, GitLab, Jira, Jenkins, Docker, Crystal Report 2008

Methodologies & Practices

Design pattern, Agile, Scrum, Microservice, TDD, RESTful Api, SOAP

Professional Experience

05/2025 – present
Dresden, Germany

Research Assistant

Fraunhofer IKT

- Utilized **python** for preprocessing and analysis of time-series sensor data from wastewater and industrial processes.
- Developed Machine learning model to optimize thermal energy recovery based on discharge temperature patterns.
- Built simulation pipelines to evaluate seasonal cooling strategies.

Key Technologies: *Python, pandas, Numpy*

09/2022 – 04/2025
Germany

Product Integration Engineer

Baqend GmbH

- Optimized client code to improve Web Vitals (LCP, FCP, CLS) using **JavaScript, Regex, and CSS**, achieving up to **400%** faster response time.
- Integrated our product (SpeedKit) into client applications, leveraging caching mechanisms and predictive preloading of HTML to enhance performance.
- Developed and maintained the **integration projects** using **TypeScript**, ensuring efficient and scalable solutions.
- Conducted **black-box testing** to validate system functionalities and ensure high performance and stability.

Key Technologies: *Javascript, Typescript, Regex, HTML, CSS, Blackbox Testing*

04/2019 – 03/2022
Bangladesh

System Developer

Wunderman Thompson

- Built scalable **C# (.NET)** backends and RESTful APIs, enhancing system interoperability by **40%**.
- Implementing robust front-end using **Angular, AngularJS, Bootstrap** while working side by side with off-shore client designers.
- Integrated **30+ third-party APIs** to enhance product functionality and user experience.
- Developed internal tools for asynchronous/scheduled workflows, reducing manual effort **by 75%** and accelerating task completion.
- Followed **Agile** methodology and **Scrum** for efficient development and delivery.

Key Technologies: *C#, .Net Core, Angular, RESTful API, SQLServer, AWS, Microservice, Git, Jira*

06/2017 – 04/2019
Bangladesh

Junior Software Developer

Totaltel Private Ltd.

- Built a scalable **.NET MVC** clinic management system, supporting **15+ clinics** and reducing admin workload by **30%**.
- Collaborated with clients for requirement analysis and **black-box testing** to ensure quality.
- Integrated authenticator device SDK to develop a custom authentication app for a government project using **ASP.NET Web API**.

Key Technologies: C#, ASP.NET, Bootstrap, RESTful API, SQL Server, Blackbox Testing

Education

2025

Koblenz, Germany

M.Sc in Web and Data Science

Universität Koblenz

Core Curriculum:

- Web Science, Engineering Web and Data Intensive System, Data Science, Big Data Analysis

2017

Dhaka, Bangladesh

B.Sc in Computer Science and Engineering

Ahsanullah University of Science and Technology

Core Curriculum:

- Algorithm, Data Structure, Object Oriented Programming, Software Engineering

Projects

Portfolio Website

Key Technologies: React.js HTML5, CSS3, JavaScript, Netlify (Hosting)

- Designed and developed a fully responsive, **single-page** portfolio website using **React.js** to showcase professional skills, projects, and achievements.
- Implemented dynamic rendering and reusable components to ensure maintainability and scalability.
- Achieved **100% performance** and accessibility scores.

Biometric Authenticator App

Key Technologies: C#, ASP.NET, Fingerprint Sensor SDKs, Image-Based Authentication, RESTful APIs

- Integrated fingerprint sensor **SDKs** and image-based **authentication** for secure user verification.
- Developed a custom authentication solution using **ASP.NET** and **RESTful APIs** to ensure seamless integration with existing systems.
- Achieved **80%+ accuracy** in user authentication and reduced false positives by **15%** through optimized algorithms.

Languages

English

Native or Bilingual Proficiency

Deutsch

Intermediate

Bengali

Native or Bilingual Proficiency

Interests

• Travelling

• Reading Novels

• Music

• Gaming

• Socializing

References

Tobias Baldauf, Web Performance Lead, Baqend GmbH

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