

# Mohsin Khan Shuvo

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## Summary

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Experienced Software Engineer with expertise in backend, frontend, and microservices. Strong proficiency in building scalable systems and collaborating with DevOps teams. Passionate about software design and system optimization.

## Work Experience

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### Software Engineer | Field Nation | Jan 2021 – Present

- Field Nation is a US-based technician service marketplace. ( <https://app.fieldnation.com/>)
- Developed scalable services using PHP and NestJS, adhering to microservice architecture.
- Built performant frontends with ReactJS and TypeScript.
- Implemented event-driven systems using RabbitMQ and Kafka.
- Collaborated with DevOps to deploy and scale services effectively.
- Designed and optimized SQL/NoSQL schemas for querying.
- Implement FEDEX API for package delivery status.
- **Fintech Integrations:** Integrated major payment APIs including Stripe, Adyen, Unit.co, Zelle, and Bank of America to securely transfer funds to users.
- Implemented tax compliance workflows using **Avalara Avatax**.
- Worked with **Google APIs** for real-time address validation and verification.
- Designed and maintained an internal **invoicing system** to streamline billing processes.
- Developed and optimized an **Immutable Balance Snapshot Calculation** module to ensure accuracy and consistency in financial reporting.
- Setup several payment and API monitoring dashboard on Datadog, Amplitude etc.
- Wrote unit tests E2E, and debugged production issues to ensure quality.

### Freelancer | Freelancer.com, Fiverr | Nov 2017 – Aug 2018

- Convert PSD and Figma designs into fully responsive and interactive web pages.
- Implement responsive design to ensure optimal user experience across various devices and screen sizes.
- Utilize HTML, CSS, JavaScript, and Bootstrap to create pixel-perfect layouts.
- Optimize web pages for maximum speed and scalability.
- Ensure cross-browser compatibility and resolve any layout issues.
- Conduct thorough testing and debugging to ensure high-quality deliverables.

## Education

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<b>B.Sc. in Software Engineering</b> Daffodil International University, Dhaka, Bangladesh	09/2015 – 01/2021
<b>Higher Secondary Certificate</b> Milestone College, Dhaka	06/2013 – 06/2015
<b>Secondary School Certificate</b> Milestone School, Dhaka	01/2011 – 05/2013

## Skills

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- **Programming Languages:** C#, JavaScript, TypeScript, GoLang, C, C++, PHP
- **Frameworks and Libraries:** .Net Core, Entity Framework Core, NodeJS, NestJS, NextJS, React, Angular, Material UI, Mongoose, Tailwind CSS, TypeORM, Jest, Dapper, AutoMapper, NUnit, iTextSharp
- **Databases:** MS SQL Server, Firebase, MySQL, MongoDB, Supabase, RedShift
- **DevOps:** AWS, Docker, Kubernetes, CI/CD Pipelines, Infrastructure as Code (IaC), DataDogSanity.io
- Have experience working as a remote developer independently and as part of a team for more than one year.
- Worked with multiple startups, gaining diverse experience.
- Experienced in data-driven development (DDD) with extensive work in both frontend and backend.
- Quick learner, passionate, team player with excellent communication and mentoring skills.

## Projects

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### Earthquake Alert System

09/2023 – Present

A system that provides real-time earthquake alerts using Next.js and RabbitMQ.

- *Links:* [Frontend](#) — [Backend](#) — [RabbitMQ Consumer](#)
- *Stack:* Nest.js, Next.js, Docker, MongoDB, Tailwindcss, Google map API

### Offer Zone

12/2020 – 01/2021

An ASP.NET Core project that manages discounted products from online and physical stores.

- *Link:* [GitHub Repository Link](#)
- *Stack:* Asp.net Core 3.0, Entity Framework Core, Identity Server, MSSQL Server, Bootstrap 4

### Garments Management System

08/2024 – 11/2024

Garments Business is a comprehensive platform tailored for the garments industry. It simplifies operations such as managing orders, tracking inventory, and coordinating with suppliers, ensuring efficiency and productivity for businesses of any scale. The platform includes powerful analytics, role-based user management, and a user-friendly interface accessible across devices.

- *Link:* [GitHub Repository Link](#)
- *Stack:* .Net Core, Entity Framework Core, JWT, RBAC, TypeORM, Next.js, Docker, PostgreSQL, MUI

### Chat Hive

09/2024 – 11/2024

Developed ChatHive, a high-performance chat application supporting 1-on-1 and group conversations. Implemented secure user authentication, registration, and real-time messaging features with a scalable architecture. Focused on delivering a seamless and responsive user experience.

- *Link:* [GitHub Repository Link](#)
- *Stack:* TypeScript, Node.js, Express, Socket.io, JWT, TypeORM, Next.js, Docker, PostgreSQL, Tailwindcss, Monorepo Design

## Certifications

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- **DevOps Bootcamp Training** - BongoDev by Optimizely Engineers
- **C# Certification** - [HackerRank Link](#)
- **JavaScript Certification** - [HackerRank Link](#)

## Languages

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- **Bangla:** Native or Bilingual Proficiency
- **English:** Full Professional Proficiency