

Shohel Rana

Dhaka, BD | iamshohelrana@gmail.com | +8801735755570 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

I'm an experienced M.Sc.-educated software engineer with 14+ years of expertise in large, scalable web application. Skilled in the full software development process, specializing in payment integration, code refactoring, and customization support. I'm passionate about problem solving and leveraging technology for business growth and customer satisfaction. Proficient in React.js, Node.js, Python, and .Net Core based technology. Passionate about delivering top-notch solutions and fostering collaboration with cross-functional teams. Renowned for deadlines and accountability, with a track record of propelling startups using innovative, agile strategies.

SKILLS

Front-End technologies and Frameworks: JavaScript, TypeScript, React, Next.js, Angular, AngularJS1.x, Vue.js, Nuxt.js, jQuery, Apollo Client, HTML5, CSS3, Bootstrap, Tailwind, Material UI, SASS, Microfrontend, Vanilla.

Backend technologies and Frameworks: NodeJS, NestJS, Python, Django, GoLang, Gin, .NET, C#, ASP.NET, .Net Core, WPF, EF, RDLC, Java, Spring Boot, Hibernate, Jasper, Webhooks, Serverless, REST, Microservices.

Mobile technologies: React Native, Progressive Web Apps (PWA), iOS, Swift, Android, Kotlin, Flutter.

Databases: NoSql, MongoDB, MySQL, PostgreSQL, Microsoft SQL Server, GraphQL, and Redis.

Build tools and CI/CD: Webpack, Gulp, Yarn, Docker, CI/CD, Jenkins, Git, and Maven.

Code quality and testing: ESLint, Prettier, Unit Testing, Integration Testing, End-to-End Testing, Cypress, Selenium, Jest/Mocha, Enzyme, Jasmine, Karma, React Testing Library.

Tools and technology: Jira, YouTrack, WebStorm, VS Code, Visual Studio, RabbitMQ, Kafka, ES, DDD, AI, NLP

Language: English (Fluent), Bangla (Native)

EDUCATION

M.Sc., B.Sc. in Computer Science and Engineering

University of Rajshahi, Bangladesh

January 2005 – July 2010

CGPA: 3.90/4.00

EXPERIENCE

Principal Software Engineer

[Qalqul Engine](#)

August 2022 – Present | on-site

Casablanca, Morocco

- Developed and designed sturdy system architectures to ensure scalability and performance, resulting in a 40% boost in efficiency.
- Implemented process improvements and best practices to maintain high-quality standards during a team's growth, achieving a 30% increase in team productivity.
- Proactively addressed challenges, realigned priorities, and ensured on-time delivery of projects, maintaining a 95% project punctuality rate.
- Collaborated closely with project management teams to gather requirements and formulate functional and design documents for 50+ projects.
- Contributed expertise in React, NextJs, Node.js, NestJs, Golang, Python, MongoDB, Docker, Kafka, Redis, Cloud and Microservices to successfully deliver software solutions for 40+ projects.

Software Development Manager

[MyMydeicalHub](#)

May 2020 – July 2022 | on-site

Dhaka, Bangladesh

- Provided technical leadership to a cross-functional team, fostering a collaborative environment.
- Ensured a 50% improvement in project delivery efficiency through close collaboration with stakeholders.

- Developed user-facing features, applying expertise in React, React-Admin, Node.js, Angular, Design Patterns, Architecture and Design, Microsoft SQL, .Net Core, D365 CRM and relevant technologies.
- Optimized application speed and scalability, achieving a 30% enhancement through performance tuning and code optimization.
- Established and maintained active collaboration and communication channels with stakeholders for 100% alignment.

Senior Software Engineer

[Selise Digital Platforms](#)

February 2020 – April 2020 | on- site

Dhaka, Bangladesh

- Utilized user-centered design principles to create interfaces that boosted user experience and engagement by 25%.
- Contributed throughout all stages of product development, successfully implementing RESTful APIs for seamless integration.
- Revitalized the UI of a complete event management system, executing cross-browser testing, and introducing user-facing features.
- Expertise in Angular, Microservices, MongoDB, .Net Core, and Jira, resulting in a 30% increase in project efficiency.

Software Engineer

[IdeaScale](#)

February 2019 – January 2020 | on- site

Dhaka, Bangladesh

- Collaborated with the product team to successfully implement 15 new features using a mobile-first approach.
- Managed, optimized, troubleshoot, and improved websites while conducting 200+ unit tests.
- Architected and developed front-end systems to ensure robustness and scalability.
- Implemented effective strategies that resulted in a 40% increase in application speed and scalability, leading to enhanced performance and achieving a 98% user satisfaction rate.
- Proficiently skilled in React, Angular, Java, Spring Boot, and MySQL, contributing to top-notch outcomes.

Lead Software Engineer

[Next It Ltd](#)

December 2010 – October 2018 | on- site

Dhaka, Bangladesh

- Led a team of developers through the end-to-end software development cycle, encompassing design, coding, testing, and debugging of applications.
- Provided training and mentorship to junior developers while staying current with the latest development tools and technologies.
- Effectively managed and coordinated front-end teams, including mobile, QA, and AI divisions, ensuring seamless collaboration and synchronization across diverse modules.
- Achieved a substantial 40% growth in product revenue by strategizing and executing an automated canteen ticketing system.
- Proficiently skilled in AngularJS, .NET, Microsoft SQL, WPF, Silverlight, RDLC, SOA, DDD, and ASP.NET MVC, leveraging these competencies to drive outstanding achievements.

Assistant Programmer

[Union Group](#)

October 2009 – November 2010 | On- Site

Dhaka, Bangladesh

- Performed comprehensive requirement analysis and engaged actively in all development phases.
- Cultivated a collaborative culture emphasizing knowledge exchange, leading to a remarkable 50% surge in salary.
- Assist in writing clean, efficient, and modular code for various software projects.
- Proficient in C#, VB6, ASP.NET Classic, MSSQL, and Crystal Report, leveraging these skills to achieve exceptional outcomes.

PROJECTS

Unified-IOP – Unified Intelligent Operations Platform August 2022- Present

- **Overview:** Developed a unified customer engagement portal that integrated various communication channels, such as email, SMS, phone, chat, and social media interactions, to provide a seamless user experience.
- **Technologies Used:** React.js, Node.js, Express.js, Redux, WebSockets, RESTful APIs, Redis, Elasticsearch, Docker, RabbitMQ, third-party social media APIs (Messenger, Instagram, Twitter).
- **Achievements:** Spearheaded the integration of real-time chat functionality using WebSockets, leading to a 35% increase in customer engagement. collaborated with a team of 20 developers and ensured adherence to best practices in React.js for consistent UI/UX across all channels. Created reusable React components for common interaction elements, reducing development time by 20%.

Efficient Musculoskeletal Management Assistant (EMMA) May 2020 - July 2022

- **Overview:** In collaboration with a teammate, we designed and implemented a pioneering health tech solution that aids physicians in detecting the risk of injury to any of the 350+ joints in the human body. Our goal was to preemptively address potential joint problems, alleviate pain, cut down healthcare expenses, and foster overall wellness.
- **Technologies Used:** TensorFlow, React.js, Node.js, MongoDB, Django, C#, .NET Core, Artificial Intelligence (AI), Machine Learning, Natural Language Processing (NLP), Microsoft SQL Server, JavaScript, TypeScript, jQuery, SQL, Entity Framework (EF), React Native.
- **Achievements:** Utilized TensorFlow to build a predictive model that assesses joint health, achieving an accuracy rate of 94% in identifying potential risks. Designed a responsive user interface using React.js, backed by a Node.js server and MongoDB for data storage. Implemented secure data transaction protocols and ensured HIPAA compliance, safeguarding patient data.

NEXT ERP Solutions Jun 2016 - Oct 2018

- **Overview:** Partnered in a two-person team to design and implement GA ERP, a centralized product data management software tailored for accessories and trims companies. The system aims to streamline the development cycle, optimizing operational efficiencies and driving cost reductions.
- **Technologies Used:** AngularJS 1.x, HTML, CSS3, ASP.NET Web API, C#, JavaScript, Unity, SQL Server 2012, TFS for Sour
- **Achievements:** Crafted a user-friendly and interactive UI leveraging AngularJS 1.x, complemented by standard HTML and CSS3. Utilized ASP.NET Web API and C# to develop robust backend services, ensuring efficient data retrieval, manipulation, and storage. Engineered a comprehensive database using SQL Server 2012, structured based on E-R Diagrams, enhancing data integrity and consistency.

PUBLICATIONS

- Content-based Document Classification using Soft Cosine Measure: [IJACSA](#)
- Climate Change and Environmental Security in Bangladesh: [JKLST](#)
- Contaminant identification in water by microbial biosensors: [JKLST](#)

HONORS & AWARDS

- Recognized Volunteer for the Intra-Department Programming Contest.
- Best Supportive Employee Award - MyMedicalHUB Development Team.
- Best Team Award for Mobile Development - MyMedicalHUB Development Team.
- EXPRESSIVE ENGLISH: 10 WEEKS TO ACCELERATED COMMUNICATION COURSE from [Englishcoach4business](#).
- Algorithms Development Workshop, conducted by Dr. M. Kaykobad, 2006.