SM Rezwanul Islam

Senior Software Engineer | Mobile Application Specialist

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Senior Software Engineer with over 8 years of experience in developing scalable web and mobile applications. Skilled in aligning technical solutions with business objectives and proficient in delivering clean, efficient code. Committed to continuous learning and adopting emerging technologies.

Skills

Programming & Scripting Languages: Java, Dart, PHP, JavaScript.

Web Development: SpringBoot, Laravel, Vue.js, React,Nextjs, Nest.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Wordpress, WooCommerce.

Mobile Application Development: Android SDK, Flutter, Material Design.

Database Technologies: SQL (MySQL, PostgreSQL, SQLite), Redis .

Miscellaneous: REST API, OpenAPI Specification, API Documentation, MockServer, Database Design, CI/CD, Firebase, Docker, Git, Github Action, Jenkins, Cron Job Scheduling, Agile/Scrum, Arduino, WebSockets, Cross-Platform Application Development, Unit Testing, Integration Testing, Payment Gateway Integration.

Software Design and Architecture: MVC, MVVM, DI, OOP, SOLID Principles.

Experiences

CTO – Remote
December 2023 – Current

Longbitz.   *Dhaka, Bangladesh*

- Led the design, development, and deployment of 'CJourney', a SaaS application designed to enhance customer satisfaction within the healthcare sector.
- Ensured products met quality, scalability, and security standards while aligning technology initiatives with customer needs and delivering cost-effective, high-value outcomes.

Senior Software Engineer – Remote
April 2020 – November 2023

iXora Solution Ltd.   *Dhaka, Bangladesh*

Project 1: OneTeam App – Flutter | Mobile
- Led the development of the groundbreaking 'OneTeam' hybrid mobile application.
- Leveraged technologies such as Dart and Flutter for cross-platform mobile app development, integrated Azure AD OAuth 2.0 for authentication, Firebase Cloud Messaging for push notifications, and incorporated RESTful API integration for seamless data exchange.
- Collaborated with cross-functional teams including designers, product managers, and QA testers to deliver high-quality software solutions.

Project 2: Booking App – Java Springboot | PostgreSQL | Backend
- Developed 100% RESTful API for a dynamic booking application using Java Springboot with PostgreSQL as a persistence layer while utilizing Firebase Cloud Messaging for Notifications and Jenkins as a CI/CD tool.
- Implemented continuous integration and deployment (CI/CD) pipelines, reducing deployment time by 50%.

Project 3.1: Next-Order Staff App – Android | Mobile

- Utilized a RESTful API, with technologies such as Java for Android development, Firebase Crashlytics for monitoring and analyzing app crashes, and FCM for cloud messaging.
- Optimized mobile app performance through thorough code reviews and performance tuning, resulting in a 40% reduction in app crashes and a 50% increase in app responsiveness.
- Boosted customer satisfaction by integrating a real-time order preparation time estimator into the mobile application, leading to a 20% increase in positive customer feedback regarding transparency and efficiency.

Project 3.2: Next-Order Kitchen App – Android | Mobile
- Developed a specialized kitchen app for chefs, seamlessly syncing with the main restaurant system to display orders directly on their tablets, reducing order processing time by 30% and enhancing kitchen efficiency.
- Incorporated a staff call feature within the kitchen app, allowing chefs to swiftly summon assistance when needed, resulting in a 25% reduction in response time to kitchen requests and ensuring smooth workflow during peak hours.

Project 3.3: Next-Order Printer Connector App – Android | Mobile
- Implemented a dedicated printer app integrated with the kitchen system, automating receipt printing for chefs upon order completion. This innovation streamlined workflow, reducing manual errors and enhancing kitchen efficiency by 20%.
- Integrated Epson POS and Zywell POS printer drivers into the mobile application, enabling streamlined receipt printing over Wi-Fi network connections.

FullStack Software Engineer – Remote   *June 2019 – March 2020*

Freelance/Contract (Longbitz)

- Led a three-member team to create a SaaS application for watch strap switching, enhancing project management and technical skills.

Software Developer   *March 2018 – May 2019*

Sixth-Sense International Limited.   *Khulna, Bangladesh*

- Developed KhulnaService, a leading B2C marketplace in Khulna, Bangladesh, using Laravel, Bootstrap, and MySQL. from scratch with scalable architecture and robust design patterns, enhancing long-term maintainability.
- Enhanced MySQL query performance by 12% by optimizing database schema, proper indexing and transitioning from Eloquent ORM to Query Builder, for more efficient queries.

Software Developer   *July 2016 – February 2018*

Freelance/Contract (Upwork)

- Designed and developed 7+ software applications based on user stories, requirements, and design specifications.

Education
Khulna University of Engineering & Technology
B. Sc. Eng. ECE | 2012-2016

Linguistics proficiency
Fluent in Bengali and English; both speaking and writing.