SM Rezwanul Islam

Senior Software Engineer | Mobile Applications Specialist

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Senior Software Engineer with over 7 years of experience in developing scalable web and mobile applications for e-commerce and food service industries. 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, C, C++, Python, JavaScript, Bash.

Mobile Development: Android SDK, Flutter, Flutter Bloc, GetIt, Injectable ,Floor, Room, WorkManager, RxJava, Hilt, Material Design.

Web Development: Spring Boot, Laravel, Vue.js, Node.js, Express.js, HTML5, CSS3, Bootstrap, Wordpress, WooCommerce.

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, RabbitMQ, Arduino, Agile/Scrum, WebSockets, Cross-Platform Development, Mobile Application Development, Unit Testing, Integration Testing, Payment Gateway Integration.

Software Design and Architecture: Clean Architecture, MVVM, MVC, Dependency Injection, OOP, SOLID Principles.

Experiences

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, targeting 15% increase in employee engagement and a 10% boost in productivity within the first six months of deployment.
- 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 2.1: 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 2.2: Booking App – Flutter | Mobile
- Designed and developed a cross-platform mobile application utilizing Flutter for streamlined service booking, integrating Firebase Cloud Messaging (FCM) to facilitate real-time notifications and enhance user engagement.

Project 3.1: Next-Order Staff App – Android | Mobile
- Digitized order management processes, eliminating paper-based order tickets and enhancing accuracy by inputting orders directly into the system via tablets and smartphones, resulting in a 80% reduction in order errors.
- 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.

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.
- Developed multiple landing pages and Shuffletech, an eCommerce store on WordPress, improving UI design and online shopping experiences.
- Implemented a Python-based email tool for parsing email PR queries, and developed a user-friendly web interface for filtering queries by keywords, media outlets, and categories, streamlining PR workflow efficiency.

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.

FullStack 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.