

Arqam Zakir

SOFTWARE ENGINEER · IMMEDIATE JOINER

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“Results-driven developer passionate about building scalable solutions and innovative software.”

Profile Summary

Results driven Software Engineering undergraduate with hands on experience in full-stack development, specializing in modern web and mobile applications. Proven ability to deliver scalable solutions using React.js, Next.js, Node.js, Springboot, React Native and real-time WebRTC technologies and SDKs. Strong foundation in agile methodologies, collaborative development, and real-time communication systems. Seeking opportunities to leverage technical skills and contribute to innovative software projects.

Work Experience

Innov8Smart

Liverpool, UK (Remote)

SOFTWARE ENGINEERING INTERN

Feb. 2025 - Aug. 2025

- Spearheaded development of a full-stack Conference Management System using Next.js and MongoDB; designed scalable database schemas to handle event ticketing, research paper submission/review, workshop registration, and role-based access control.
- Engineered a cross-platform desktop communication application using Lit and Electron; developed real-time messaging features and calling interfaces to support seamless user experience with enterprise-level security.
- Built mobile communication platform using React Native and Stream Chat SDK; implemented JWT-based authentication, admin dashboards, and team management modules with modern UI patterns.
- Integrated LiveKit for real-time video conferencing within the conference platform, eliminating dependency on external tools and enabling seamless online event hosting.
- Optimized frontend performance and backend API responsiveness across projects using modern React patterns, AWS S3 for file storage, and efficient state management to ensure fast load times. Collaborated in agile development environment with daily stand-ups, sprint planning, and code reviews using GitHub, Jira, and Slack; performed debugging and testing to ensure code quality and system stability.

Projects Experience

AymaxConnect

Electron, Next.js, TypeScript,
WatermelonDB, Fastify, Prisma

FULL STACK DEVELOPER | TEAM MEMBER

Apr. 2025 - Present

- Contributing as part of the **Aymex** development team building a cross-platform UCaaS desktop application using Electron and Lit, enabling businesses to manage voice calls, SMS, and team communications from a single unified interface.
- Developed a Next.js proxy layer handling JWT authentication, role-based access control, and secure routing between the desktop client and backend services.
- Designed a scalable backend API using Fastify and Prisma ORM to manage multi-tenant phone numbers, message threading, and user provisioning across organizations. Integrated Telnyx telephony APIs for SMS and voice capabilities, with real-time data sync using WatermelonDB for offline-first performance on the desktop client.

E-commerce Platform - Samwoohub

Next.js, Node.js, PostgreSQL,
NextAuth.js, Redux Toolkit

FULL STACK DEVELOPER | TEAM MEMBER

Sep. 2025 - Feb. 2026

- Implemented product, category, cart, wishlist, checkout, order, stock, user, advertisement, reportings and admin workflows.
- Developed a transactional order pipeline with inventory validation, stock deduction/restocking, custom order numbers, order status tracking, and cart cleanup.
- Integrated Resend email, WhatsApp notifications, Google Cloud Storage uploads, and PDF/Excel business report generation.
- Prepared deployment workflows using Docker, Nginx/VPS configuration, health checks, and Jenkins/GitHub CI/CD documentation.

Online Class Management - Science4U

Next.js, TypeScript, MongoDB,
NextAuth.js

FULL STACK DEVELOPER

Nov. 2025 - Feb. 2026

- Implemented secure role-based authentication with NextAuth.js, bcrypt password hashing, JWT sessions, password reset flows, WhatsApp payment reminders and automated welcome emails using Nodemailer.
- Created a video learning system with free and paid units, YouTube playback, hashed access codes, per-unit expiry rules, and payment-based access control.
- Built class calendar and attendance tracking with grade/month filters, classroom status validation, attendance percentages, and downloadable student performance PDF reports using jsPDF.

Digital Traffic Enforcement Platform - eCop

React Native, Next.js, NextAuth.js,

MongoDB, Stripe

FULL STACK DEVELOPER

Jan. 2025 – Oct. 2025

- Built a cross-platform traffic enforcement platform with mobile and web interfaces for licence verification, violation recording, and fine management.
- Implemented secure multi-role authentication and onboarding flows for licence holders, police officers, and admins, including first-time login and approval-gated access.
- Developed scalable API modules and indexed MongoDB schemas for licences, officers, rules, violations, and payment status tracking.
- Integrated a mobile fine-payment flow and synchronized violation/payment updates between the React Native app and Next.js backend.

Bus Transport Management System - TransitGO

React, React Native, Spring Boot,

MySQL

FULL STACK DEVELOPER

Dec. 2023 - Jul. 2024

- A comprehensive bus transport management system mentored by LSEG, aimed at streamlining the operations of public and private bus companies.
- Developed Bus Delay Management and Bus Location Tracker for both mobile and web applications.

Technical Skills

Programming Languages	C, Java, JavaScript, TypeScript
Frontend Development	React.js, Next.js, React Native, Lit, Tailwind CSS
Backend Development	Spring Boot, Node.js, Express.js, PHP
Databases	MySQL, MongoDB, MSSQL, PostgreSQL, Firebase
Real-time Communication	WebRTC, LiveKit, Stream Chat
Cloud & Tools	AWS S3, Firebase, Git, GitHub, Jira
CMS & Design	WordPress, Figma, Blender, Adobe

Interpersonal Skills

- Collaborative Team Player with Agile Methodology Experience
- Quick Learner and Adaptable in Fast Paced Environments
- Excellent Communication and Knowledge Sharing Abilities

Education

University of Moratuwa

Sri Lanka

BSc.(HONS) IN INFORMATION TECHNOLOGY & MANAGEMENT

2022 - 2026

- CGPA: 3.31 (Up to L3S2)

Volunteer

Member, MLSA - Sri Lanka

Member, IEEE - University of Moratuwa

Member, LEO Club - University of Moratuwa

References

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Mr. Mohamed Razan

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