

# IMRAN KALEEL

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## EXECUTIVE SUMMARY

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Results-driven **Full-Stack Developer (MERN)** with 2+ years of experience designing and deploying scalable web applications using **React.js, Node.js, Express.js, and MySQL**. Proficient in building **RESTful APIs**, integrating real-time data, and implementing offline-first architectures. Committed to writing efficient, maintainable code and delivering high-quality, business-aligned solutions.

## EXPERIENCE

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### MERN Stack Developer

Dec 2023 – Present

*Connective Links Technologies*

- Architected and implemented high-performance web solutions using the **MERN stack (MongoDB, Express.js, React.js, Node.js)** for over **150+ restaurant clients**, enabling seamless integration across front-end and back-end systems and supporting rapid product scalability.
- Built and fine-tuned **RESTful APIs** and **WebSocket connections** using **Express.js** and **Socket.IO**, improving real-time data synchronization and reducing latency by **30%**.
- Engineered **offline-first** architecture and caching using **Service Workers, IndexedDB**, and **local storage**, cutting downtime by **70%** and accelerating load speed by **50%** under poor network conditions.
- Developed a cross-platform **Windows desktop application** using **Electron.js** and **Node.js** for local server and printer management, cutting operational downtime by **50%**.
- Constructed 22 responsive and reusable UI components utilizing **React.js, Redux, and custom hooks**, which were applied across 35 different application modules using established accessibility best practices.
- Enhanced backend throughput by introducing **async-based operations**, reducing **API response time from 700ms to 250ms**, and implementing database-trigger-based order validation to prevent duplicate entries.
- Collaborated with team, led peer **code reviews** via **GitLab**, and improved release speed and code quality by integrating **CI/CD pipelines** for scalable and maintainable architecture.
- Led a team of **3+ developers** as a **Team Lead**, conducting **code reviews**, mentoring junior engineers, allocating tasks, and ensuring adherence to **coding standards and best practices**.
- Maintained **code quality and release stability** by enforcing branch workflows, code reviews, and standardized linting rules.

## TECHNICAL SKILLS

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**Languages:** JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3

**Frameworks:** React.js, Node.js, Express.js, Electron.js, Redux, Socket.IO, Service Workers

**Databases:** MongoDB, SQLite, IndexedDB

**Developer Tools:** Git, GitHub, Docker, Postman, VS Code, Figma, Chrome DevTools

**Concepts & Practices:** RESTful APIs, WebSockets, Offline-First Design, Lazy Loading, Responsive UI, API Optimization, JWT Authentication, CI/CD, Agile Development

## EDUCATION

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### Jamal Mohamed College

*Bachelor of Computer Applications (BCA)*

Tiruchirappalli, TN

June 2019 – May 2022

### V.S. Boys Higher Secondary School

*Higher Secondary Certificate (HSC)*

Tiruvarur, TN

June 2018 – March 2019

## OPEN SOURCE CONTRIBUTION

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### reactjs-qr-scanner (NPM · MIT Licensed)

React.js · TypeScript · WebRTC · MediaStream API · Canvas · QR Decoding · NPM Publishing

- Built and published a reusable **React.js QR scanner component** written in **TypeScript**, providing strong type safety and predictable integration. Enabled real-time decoding using **WebRTC** and the HTML5 **MediaStream API**, with consistent performance across desktop and mobile browsers.
- Enhanced scanning reliability through **adaptive detection zones**, scan-rate throttling, and intelligent device selection logic, reducing CPU load by **25–40%** while improving scan responsiveness.
- Implemented configurable UI and device-level features including **camera switching**, **torch/flash support**, and **pause/resume scanning**, with flexible styling options for various use-cases (eCommerce checkout, event check-in, KYC onboarding, kiosk systems).
- Designed a clean and predictable **callback-driven API** (`onScan`, `onError`, `onPermissionDenied`), ensuring clear permission handling and graceful fallback on unsupported devices.
- Created comprehensive documentation and example code snippets to simplify onboarding, reduce developer setup time, and encourage community contribution.
- Actively maintain the project under the **MIT license**, resolving issues, reviewing pull requests, and shipping incremental improvements.

## PROJECTS

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### Midgram.com – Social Media Platform for Book Enthusiasts

MERN Stack, Node.js, Express.js, React.js, MongoDB, AWS EC2, Socket.IO

Jan 2023 – Nov 2023

- Independently designed and developed a full-stack social media platform serving **500+ active users**, enabling personalized profiles, real-time chat, and an intelligent book recommendation engine.
- Designed secure **JWT-based authentication** and middleware-driven access control mechanisms.
- Enhanced front-end performance by building an **adaptive React.js interface** with **custom hooks** and **lazy loading**, achieving a **45% reduction in initial page load time**.
- Integrated **real-time messaging** using **Socket.IO** and implemented smart caching strategies, enhancing responsiveness and reducing server load by **25%**.
- Deployed the platform on **AWS EC2** with production-ready CI/CD configurations, ensuring **99.9% uptime** and low-latency performance under peak user traffic.

## AWARDS & RECOGNITION

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### Professional Standard Award

2025

*Connective Links Technologies*

- Recognized for consistently demonstrating high professional work standards, effective team coordination, and strong management capabilities across project deliverables.