Aaron Matharoo

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EXPERIENCE

Application Engineer / Team Lead

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Stack: React, React Native, TypeScript, CSS, GraphQL, AWS, PostgreSQL, MongoDB, NoSQL

- Spearheaded IT operations & led team of 7, handled 3rd-Party API integrations, database design, & micro-services for product features such as payment processing, AI chat bots, & biometrics.
- **Secured $2M in funding for client's SaaS business** in 6 months by delivering a fintech application featuring a B2B marketplace with real-time messaging, purchasing, & push notifications.
- **Increased weekly code merges by 50%** by leveraging Agile methodology with effective team communication, and measured team performance against KPIs which **reduced GitHub merge conflicts by 40%**.
- **Achieved a 75% reduction in build times** by using a local compiler cache with distributed caching, ensuring system-wide integrity with security audits, port-scanning, data encryption, & manual QA.
- Held client meetings for consultations & product-demos, led talent acquisition, mentored junior engineers with collaborative programming sessions, & reported directly to managers.

Full Stack Engineer / Development Director

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Stack: React Native, TypeScript, CSS, Expo, Supabase, PostgreSQL

- **Boosted lead generation by 15%** for limo businesses through conception & end-to-end development of cross-platform mobile marketplace app for Android & iOS.
- **Reduced unauthorized access incidents by 35%** with Row-Level Security in SQL, designed monolithic architecture centered around security & simplicity while testing serverless RESTful API endpoints via Postman.
- **Saved over $1,500 annually** in bandwidth charges by employing strategic querying, pagination, & caching techniques for application performance & operational cost management.
- Operated as an Individual Contributor, streamlined registration with SSO & OTP verification, ensured widespread security & accessibility by adhering to OWASP Top 10 Risks & App Store Guidelines.

Web Developer

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Stack: React, Next.js, TypeScript, TailwindCSS, Express.js, Node.js, Strapi, SQLite CMS

- **Amplified stakeholder involvement by 65%** in Cambridge Affordable Housing Project resulting in an unprecedented **1,700** Cambridge residents providing their input on the city's initiative.
- Communicated implications of housing solutions through a Web SPA, collaborated closely with urban planners, **reduced bounce rates by 20%** & **increased mobile user engagement by 45%** as per Google Analytics.
- Achieved equal opportunity for community engagement across diverse user demographics by focusing on WCAG 2.0 guidelines, browser compatibility, & responsive design.

EDUCATION & CERTIFICATIONS

Bachelor's Degree | ████████████ University
- Computer Programming & Networks, Spatial Data Visualization, Data Structures, Geographic Applications
- Dean's Honour Roll

A+ | Network+ | Security+ (In Progress)
CompTIA

C# Certification (In Progress)
Microsoft