# MUNISH KUMAR

**Software Developer**

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## Summary

Full-stack developer with strengths in React/Next.js + TypeScript on the front end and Node.js/Express, MongoDB, and AWS on the back end. Built IoT and CRUD applications with secure auth, real-time telemetry, and responsive UIs. Skilled in performance tuning, testing, and deployment.

## Skills

**Front-end:** React, Next.js, TypeScript, Tailwind CSS, responsive design, accessibility, performance optimization
**Back-end:** Node.js, Express, REST APIs, MongoDB, Firebase, AWS (Lambda, S3, Cognito, API Gateway), Docker
**Testing/Tools:** Jest, React Testing Library, ESLint, Prettier, GitHub Actions
**Practices:** UX collaboration, CI/CD, documentation, agile teamwork

## Experience

**Front-End Developer (R&D) - Adroit, Auckland**
*Jun 2023 - Jun 2024*

- Built IoT device dashboard (**React/Next.js, TypeScript**) surfacing telemetry in real-time for 400 devices: reduced fault detection time from hours to mins.

- Designed responsive UI and optimized list rendering, improved dashboard load speed and user experience across devices.

- Implemented role-based access and alerting views with clear, user-friendly layouts.

- Integrated AWS services (Lambda, S3, Cognito, API Gateway) to support real-time device data and role-based access in the dashboard.

**Professional Driver (part-time)**
*2003 - Present*

- Operated in safety-critical environments with zero no-shows: strong record in incident response and customer communication. Balanced part-time shifts alongside study and software work.

## Projects

**IoT Ops Dashboard (Next.js/TypeScript) -** GitHub • Demo
Built responsive front-end with telemetry graphs and alert views, improving visibility and speed of identifying device issues.

**MERN Book List App (React/MongoDB)** - [GitHub](#) • Demo
Responsive CRUD app with secure authentication, pagination, and form validation; optimized performance and ensured code reliability with testing.

**Real-Time Multiplayer (Unity + Firebase)** - [GitHub](#) • [Demo](#)
Built real-time sync of player state with interpolation for smoother UI; demonstrated low-latency rendering.

## Education

**Bachelor of Computer and Information Science** - AUT, Auckland
Completion: *Jun – 2025*

**Certification in Computing** - Te Wananga o Aotearoa, Auckland
Completion: *Nov – 2005*

## Professional Highlights

Strong communicator: collaborates closely with product/design, writes clear pull requests, and documents decisions succinctly.