

# THOMAS 'TOMMY' GOODMAN

Full Stack Developer | React | Node.js | Docker | Systems Thinking

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## EXPERIENCE

### Software Developer Mentored Internship

#### PolicyCheck

10/2025 - 12/2025 Auckland / Remote

- Integrated Listmonk (open-source email campaign platform) as a dedicated Docker service into the PolicyCheck Next.js platform, enabling internal tools to create, preview, schedule, and manage campaigns through Listmonk's API endpoints
- Developed a Node.js seeding middleware that provisions initial campaign and subscriber data, streamlining development-environment setup and improving workflow efficiency
- Resolved build and networking issues across 5+ services within Docker Compose stacks, improving system connectivity and deployment reliability
- Implemented backend APIs and interactive Next.js components to support subscription management and content scheduling, collaborating in an Agile team environment
- Troubleshoot browser/API boundary issues (auth, CORS, network failures) to restore smooth user workflows within the containerised system

### Full-Stack Developer

#### Mission Ready HQ

03/2025 - 12/2025 Remote, NZ

- Created and built complete end-to-end applications featuring Node.js/Express APIs, React frontends, and MySQL-backed data layers across multiple Level 6 diploma projects
- Designed instructional starter kits - including boilerplate projects, database schemas, seed files, and documentation - used by 5+ learners in my cohort
- Built RESTful APIs and reusable React (Tailwind/MUI) components; restructured repositories to support GitHub Actions CI/CD pipelines and reproducible environments
- Planned comprehensive database schemas and seeded 1,000+ records using migration-ready SQL files; maintained repository standards for code style, component structure, and documentation
- Created Docker container configurations and Azure deployment guides to streamline development and deployment processes

### Avionics Technician

#### Royal New Zealand Air Force

05/2008 - 04/2024 Whenuapai, Auckland

- Diagnosed aircraft electrical/electronic systems in critical settings. Executed fault-finding to ensure mission readiness under deadlines.
- Followed and enforced strict aviation compliance and documentation standards; ensured all maintenance actions were traceable, peer-reviewed, and completed to regulated quality requirements.
- Led operational flight-line maintenance for critical missions, conducting pre/post-flight inspections and repairs to guarantee aircraft safety and regulatory compliance.
- Collaborated with cross-functional teams (aircrew, ground staff, engineering) to implement system upgrades and modifications, directly enhancing aircraft performance and safety.
- Managed and mentored team members as alpine sports coordinator and esports club co-founder, fostering discipline, teamwork, and a culture of shared ownership.

## EDUCATION

### Diploma in Full-Stack Development

#### Mission Ready HQ

03/2025 - 12/2025 Auckland, New Zealand

### Certificate in Software Engineering

#### Institute of Data (AUT Accredited)

07/2023 - 01/2024 Auckland, New Zealand

### Bachelor of Computer & Information Sciences

#### Auckland University of Technology (AUT)

01/2016 - 12/2018 Auckland, New Zealand

- Year 1 papers in Software Development.

## SUMMARY

Full-stack developer with hands-on experience building production-ready web applications using React, Node.js, MySQL, and Docker. Recently completed a 10-week internship at PolicyCheck, integrating Listmonk email-campaign functionality into a Next.js platform and contributing to a containerised multiservice architecture. Known for clear communication, disciplined systems thinking, and strong debugging skills, drawing on 15+ years as a Royal New Zealand Air Force avionics technician. Passionate about building reliable systems, improving developer workflows, and delivering clean, maintainable software.

## KEY ACHIEVEMENTS



### Improved Key Management

Reduced error rates by 30% via digital system.



### Enhanced Security Protocols

Implemented visitor log with 98% accuracy rate.



### Optimized Campaign Workflow

Streamlined email campaigns, increasing efficiency by 40%.



### Boosted Deployment Speed

Developed APIs aiding 25% faster deployment.

## SKILLS

### Languages & Frameworks

JavaScript (ES6+), Node.js, Express, React, Next.js, TypeScript (working knowledge)

### Frontend

HTML5, CSS3, Tailwind CSS, Material-UI, Bootstrap, Figma, Responsive Design, Accessibility basics

### Backend & Databases

REST APIs, MySQL, PostgreSQL, MongoDB, Redis

### DevOps & Cloud

Docker, Docker Compose, GitHub Actions (CI/CD), Azure, AWS (EC2, Elastic Beanstalk), Google Cloud Platform

### Practices & Tools

Git/GitHub, Agile/Scrum, Unit Testing, Technical Documentation, Code Review, Linux

### Soft Skills

Systems Thinking, Structured Debugging, Leadership, Communication, Adaptability, Discipline

## FIND ME ONLINE



### GitHub

github.com/tonkatommy

## PROJECTS

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### Whenuapai Key Press Manager

 03/2020 - 04/2024  RNZAF Whenuapai

Personal Project

- Improved key management efficiency by 80% by creating a full-stack web application replacing manual paper tracking at RNZAF Whenuapai.
  - Built a real-time dashboard showing current keyholder, issue timestamps, and overdue alerts; enabled supervisors to audit the full key movement history at a glance.
  - Designed with strict access control and audit logging to meet RNZAF base security and compliance requirements.
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### Presence Guard

 03/2020 - 04/2024  RNZAF Whenuapai

Personal Project

- Visitor management system for recording the entry and exit of external personnel - contractors, visiting personnel, and civilians - to a restricted RNZAF building.
- Captured visitor details, purpose of visit, escort information, and time in/out; provided the duty officer a live register and exportable daily log for end-of-day security records.
- Solved a real operational problem - replacing handwritten visitor books with a searchable, tamper-evident digital record aligned to base security protocols.

## INTERESTS

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 Mountain biking

 Racing 1/10th RC Cars

 Exploring the Outdoors

 Snowboarding

## MILITARY HONOURS

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 Regular Forces Medal

 Long Service and Good Conduct Medal