

# THOMAS MARTIN.

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## Junior Full Stack Developer

Recent graduate of a Full-Stack Web Development Intensive Boot-camp with a high distinction average. Recognised for a keen eye for detail, strong communication skills, creativity, and logical problem-solving abilities. I am dedicated to continuous learning and am deeply fascinated by advancements in AI and machine learning. Driven by a passion for leveraging technology to enhance society and sustainability, I'm eager to contribute to innovative projects in the evolving tech industry.

## Contact

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in [LinkedIn](#)  
👤 [Portfolio](#)  
🐙 [GitHub](#)



## Key Skills:

- Problem Solving
- Communication
- Self-Motivated
- Quick Learner
- Enthusiastic
- Leadership

## Languages:

- JavaScript
- Python
- HTML
- CSS

## Frameworks:

- Express
- Node.js
- React
- Flask

## Databases:

- PostgreSQL
- MongoDB

## Cloud:

- AWS Cloud

## Tools:

- Adobe Suite
- Git / GitHub
- VS Code
- Figma

## Education:

- **Full-Stack Web Development Bootcamp**  
Coder Academy, Sydney | 2024
- **Higher Education Diploma in Information Technology**  
Academy of Interactive Technology, Sydney | 2024
- **Diploma in Visual Design & Communication** Adelaide  
College of The Arts, Adelaide | 2023 – present
- **Graphic Design Foundations Boot-camp**  
The Graphic Design School, Sydney | 2022
- **Bachelor of Management (Marketing)**  
University of South Australia, Adelaide | 2021

## Experience:

### **Music Production and Live Performance** | Self Employed

- Solving complex challenges through precision, persistence, iterative testing, and innovation.
- Project management, collaborative communication, and cross-functional teamwork with stakeholders.
- Self-marketing, continuous learning of new technologies, and adapting workflows to meet high-quality standards.
- Self-motivation and management.

### **Hospitality Manager** | The Grace Darling Hotel, Collingwood

- Communication, task prioritisation, and problem-solving under pressure.
- Delegation, conflict resolution, and data management, with proven ability to adapt to dynamic environments and optimise processes.

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## Projects:

### Events & Ticketing RESTful API

- Developed a RESTful API using **Python**, **Flask**, **SQLAlchemy**, and **PostgreSQL**, implementing robust database relationships and data integrity principles.
- Implemented secure user authentication and authorization using **JWT** and **bcrypt** for password hashing.
- Designed and normalised an **ERD**, establishing efficient relationships to minimise redundancy and support multi-user posts, comments, likes, and events.
- Utilised “**zero to many**” and “**one and only one**” relationships, allowing users to create multiple posts, events, and invoices, each related via unique entities.
- Applied “**cascade delete**” for automatic cleanup of dependent data, ensuring database integrity and reducing orphaned records.
- Integrated **error-handling** logic to manage potential invalid inputs and enhance user feedback.
- Built comprehensive API endpoints supporting **CRUD operations** for posts, events, and invoices, secured by **JWT** for authorised access only.

### Social Media Blogging Full-Stack Application

- Developed a full-stack application with **Node.js**, **Express**, **MongoDB** backend, and a **React** frontend with **Context API** for state management and **React Router** for navigation.
- Implemented secure user authentication and session management using **JWT** and **cookies** for protected access and persistent sessions.
- Designed and developed **unique user profiles**, allowing users to post content, view personalised feeds, and manage a curated following list with **follow/unfollow** features.
- Built a dynamic feed displaying posts from followed users and recent updates, complete with real-time follower and following counts.
- Enabled **real-time updates** for posts, comments, follower counts, and follow statuses through **Context-based data management**, ensuring an interactive experience without page refreshes.
- Developed **CRUD operations** for posts, including the ability to comment, edit, and delete, enhancing user engagement.

For further projects, please visit my **GitHub** profile.