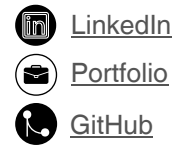


THOMAS MARTIN

JUNIOR FULL STACK DEVELOPER



CONTACT

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PROFESSIONAL SUMMARY

Recent Full-Stack Web Development graduate with a high distinction average, recognised for attention to detail, creativity, and problem-solving skills. Passionate about leveraging technology for innovation, sustainability, and societal impact, with a keen interest in AI and machine learning.

PROJECTS

Survey Application

Full-Stack Web Application | MERN Stack (MongoDB, Express, React, Node.js)

- Developed a full-stack survey application enabling users to create, distribute, and analyse surveys via an intuitive interface.
- Built dynamic survey creation with customisable question types stored in MongoDB Atlas.
- Implemented secure authentication and authorisation with JWT, bcrypt, and cookies to provide seamless user experiences without requiring repeated logins.
- Utilised React hooks and the useContext API for efficient state management and user authentication flow.
- Created a RESTful API for seamless frontend-backend communication and optimised workflows.
- Integrated real-time data visualisation using D3.js to display survey results.
- Conducted extensive testing to ensure functionality, usability, and reliability.

Event Management Web Server

RestfulAPI Web Server | Python (Flask)

- Developed a RESTful API for managing events, enabling CRUD operations for events and user accounts.
- Utilised Flask to build efficient endpoints, ensuring scalability and performance.
- Implemented secure authentication and authorisation with JWT and bcrypt to protect user data.
- Designed a relational database schema using SQLAlchemy for robust event and user management.
- Integrated comprehensive input validation and error handling for reliable API responses.
- Tested extensively to ensure endpoint reliability, data integrity, and smooth user interactions.

OpenAI ChatBot Application

Full Stack Application | React, Express, Node.js | OpenAI API

- Developed an innovative tutorial app for electronic music production, built under time constraints during a Hackathon.
- Utilised the OpenAI API to provide personalised guidance based on user experience, age, and preferred production methods.
- Created an interactive AI-driven chat interface for real-time feedback and tutorials.
- Designed with React for a dynamic frontend and Node.js with Express for a robust backend.
- Aimed to enhance creativity and skill development, making music production accessible to all.

ACADEMIC HISTORY

Higher Education Diploma of IT

Coder Academy (AIT) | 2024

Diploma of Visual Design

Adelaide College of the Arts | 2025

Bachelor of Management (Marketing)

The University of South Australia | 2022

CERTIFICATION

AWS Cloud Practitioner Certificate

AWS Amazon | 2024

Front-end Developer Professional Certificate

Meta | 2024

SKILLS

Personal:

- Problem Solving
- Communication
- Fast Learner
- Determined
- Creativity

Languages:

- JavaScript
- Python
- HTML
- CSS

Technologies:

- TypeScript
- Express
- Node.js
- React
- Flask

Tools:

- Git & GitHub
- Jest Testing
- Adobe Suite
- VS Code

Databases:

- MongoDB
- PostgreSQL

Cloud:

- AWS

PROFESSIONAL EXPERIENCE

Musician

Music Production and Live Performance | 2010 - 2024

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

Hospitality

Bartender, Barista & Venue Manager | 2014 - 2023

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