James Boland

Full Stack Developer

CONTACT

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📍 Wollongong, NSW

EDUCATION

Oct 2022 - August 2023
DIPLOMA OF INFORMATION TECHNOLOGY
Coder Academy, AIT (*online*)
WAM of 90.12 , GPA of 6.9

2017
BACHELOR OF ECONOMICS & FINANCE
Major in Economics
Minor in Finance
University of Wollongong, NSW

2017
BACHELOR OF ARTS
Major in Sociology
University of Wollongong, NSW

TECH SKILLS

Programming Languages:
TypeScript | JavasScript | Python | HTML5 | CSS3

Technologies:
MongoDB | Express.js | React | Node.js
Flask | Nestjs | SQL | PostgreSQL
Tailwind CSS | Sass | React Native

Tools:
Git | VSCode | Insomnia | Postman
Dbeaver | Figma |Trello | Docker

- I'm a dedicated and eager developer with proven experience building full-stack dynamic web applications from idea to deployment.
- I'm excited about the future and direction of technology, wIth a keen interest in AI and building applications that solve real world problems.
- Seeking to join a team that values continuous learning, and encourages professional growth and team collaboration.

KEY PROJECTS

April 2024

DRONE FLIGHT LOGGER: FULL STACK MOBILE APP
Technologies: TypeScript | React Native| Expo

Github: https://github.com/JRBoland/drone-api-ui

- Full Stack mobile application with UI built in React Native Expo and connected to a a Nestjs API backend. Vysor was used to simulate Android and iOS usage.
- Dynamic user flow based on Guest, User, and Admin level roles.
- Demo of application is available on GitHub.

February 2024

DRONE FLIGHT LOGGER: NESTJS API
Technologies: TypeScript | Nestjs| PostgreSQL | Jest

Github: https://github.com/JRBoland/nestjs-drone-api

- Nestjs Restful API with role-based authentication and authorisation and full CRUD capabilities, connected with a PostgreSQL database.
- Unit tests with Jest, HTTP method requests exported via Thunder client, and deployed with Docker Compose
- Implemented error handling and logging interceptors to troubleshoot development issues efficiently.

October 2023

FLIIGHT TECHNOLOGIES COMPANY WEBSITE
Technologies: React| Tailwind CSS | HTML

Demo version (awaiting content): https://fliight-technologies-demo-site.netlify.app
Github: https://github.com/JRBoland/fliight-technologies

- Freelance website rebuild for UAV Technology company Fliight Technologies.
- Responsive design across devices. Worked closely with a designer and within client's budget restraints. Solo developer on the project.
- As of April 2024 site is not yet live due to still awaiting final content from client. Demo of the site and its current state is available in the link above.

July 2023

VAN VOYAGE: FULL STACK BOOKING WEBSITE
Technologies: MERN | Tailwind CSS | HTML

Live version: https://van-voyage.netlify.app
Github: https://github.com/van-voyagers/T3A2-A-van-voyage-docs

- Van hiring service with integrated frontend and backend.
- Features include user registration, profile management, a calendar system with availability checks, booking confirmations, and a user review system.
- Git source control, collaborating utilising feature branch workflow.
- The backend is hosted on the cloud via Render, frontend is deployed via Netlify.

February 2023

DRONE FLIGHT LOGS: RESTFUL API WEB SERVER
Technologies: Python | Flask | PostgreSQL

Github: https://github.com/JRBoland/JamesBoland_T2A2

- Drone log API web server for capturing and storing data for drone flights.
- Utilises models of User, Drone, Pilot, and FlightLog to match tables in PostgreSQL.
- Model View Controller model, Relational Database Management systems, Object-Relational Mapping, Entity Relationship Diagrams.
- Routing requests and sanitizing data with full CRUD functionality.
- Additional technologies:
  - SQLAlchemy, JSON Web Tokens, Marshmallow, Bcrypt

KEY PROJECTS

May 2023
GP WEATHER CLOCK: HACKATHON PROJECT
Technologies: Reactjs | JavaScript | CSS | HTML

Live version: https://gpweatherclock.netlify.app
Github: https://github.com/stuWolf/Hackathon_22_05_23

- Collaborative effort of three people with regular standups and meetings.
- Git collaboration; feature branches, pull requests, and merges.

December 2022
DOG SHELTER FEEDING HELPER
Python | Terminal Application

Github: https://github.com/JRBoland/T1A3-Terminal-Application

- Dog Shelter feeding tracker Python application with navigation menu and full CRUD functionality to manage a dog's fed state and monitor dietary requirements.

PREVIOUS WORK EXPERIENCE

2023 - Current
jbdev.io | Wollongong
FREELANCE WEB DEVELOPMENT

- Worked closely with a web designer to redesign and rebuild a website for a local technology company, adhering to set constraints and considering the budget and timeline of the project. Built with ReactJS and styled with TaliwindCSS.
- WordPress web design and maintenance, organising a layout system for displaying a Real Estate agency's property information, saving the agency $6000 in annual fees.

2020 - Current
bondla | Wollongong
MUSIC & AUDIO PRODUCTION

- Owner of small side business "Podcusts" selling custom podcast intros/outros
- Scored international short film "Broke!" for London FIlm School, 2022
- Music Producer with released projects as "bondla"
- DJ'd small events and weddings

2020 - 2023
Australian Taxation Office | Superannuation Dept | Wollongong
CLIENT ACCOUNT SERVICES - SERVICE DELIVERY OFFICER

- Mainly dealt in communicating superannuation obligations with employers
- Kept up to date with ever changing procedures and legislation.
- Worked closely within a team on the development of a new legislative superannuation payment procedure for employers.

2015-2023
Various
VARIOUS HOSPITALITY ROLES

Novotel Northbeach, *Wollongong*
- Food & Beverage Attendant
- 2015-2021

His Boy Elroy , *Wollongong*
- Bartender
- 2019-2020, 2023

The Yacht Week, *Croatia*
- Event Staff
- 2018

Yours & Owls Events, *various*
- Bar & Event Staff
- 2017-2019

2017-2018
Blockchain Partners | Wollongong
DATA ANALYST/PROJECT MANAGER

- Two-month post-grad internship.
- Used various economic and financial models to value digital assets in a financial market.
- Traded digital assets in real-time.
- Lead and presented group projects to put forward R & D findings in valuation, risk management and international implications.