



James Boland

Full Stack Developer

- 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 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

Live version: <https://fliight.com.au>

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.
- Contact forms with Google reCAPTCHA and EmailJS. Deployed with Netlify

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

CONTACT

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jbdev.io

github.com/JRBoland

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 | JavaScript | 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

KEY SKILLS

Front-end development

Responsive & Mobile First Design

Restful API Development & Integration

Agile Methodology and Workflow

Figma & Product Presentation

Version Control (Git)

Backend development

UI/UX Principles

Debugging

SOFT SKILLS

Quick Learner

Adaptable

Creative Problem Solving

Effective Communicator

Strategy & Leadership

Team Oriented

INTERESTS

Emerging Technology

Music Production & DJing

Surfing, Martial Arts

Video Games

Health & Fitness

Cooking

AI, tools, and the future of LLMs

References available upon request

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 "[Podcasts](#)" 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 <ul style="list-style-type: none">• Food & Beverage Attendant• 2015-2021	The Yacht Week, Croatia <ul style="list-style-type: none">• Event Staff• 2018
His Boy Elroy , Wollongong <ul style="list-style-type: none">• Bartender• 2019-2020, 2023-	Yours & Owls Events, various <ul style="list-style-type: none">• 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.