

JUSTIN MAYER

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Professional Summary

Experienced Software Engineer with 5+ years developing full-stack web applications and data solutions. Proven expertise in TypeScript, VueJS, NodeJS, and Python with strong background in e-commerce plugins, data analytics, and scalable system architecture. Demonstrated ability to deliver end-to-end solutions from WordPress plugins to complex data pipelines, with focus on performance optimisation and user experience.

Education

Bachelor of Computer Science (Hons) (Systems Engineering)

2020 – 2023

Middlesex University of Mauritius

Cascavelle, Mauritius

- Relevant Coursework: Information in Organisations (SQL), Computer Systems Architecture and Operation Systems, Programming for Data Communication and Networks, Web Application and Databases, Software Engineering Management and Development (C++), Advanced Web Development with Big Data, User Experience (UX) Design, Business Intelligence
- Capstone Project: Specimen counting mobile application for mass rearing insect farms

Experience

Software Engineer

2021 – 2026

Dodobird.ai

Mauritius

- Developed client websites and web applications with focus on performance optimisation and user experience
- Built Shopify and Nopcommerce plugins for e-commerce integration
- Implemented comprehensive full-stack VueJS application with NodeJS backend utilising Express, TypeScript, and PostgreSQL
- Developed flexible & source agnostic data ingestion pipeline for CRM utilising Kedro scheduled with Apache Airflow
- Created WordPress plugin to display AI recommendations & embed VueJS chatbot for enhanced user engagement
- Implemented queue system for batch emailing with BullMQ including mock development with MailHog
- Performed comprehensive data analytics & manipulations utilising Pandas, Jupyter Notebook and Matplotlib
- Developed bulk data import feature with queueing system

Part Time Web Developer

2023 – 2026

BlueBoa Ltd

Mauritius

- Crafted multiple websites from Figma designs using WordPress theme development, Full Site Block Editor, and Elementor builder
- Implemented multi-threaded Python web scraping solution for sites with 10,000+ pages

Key Skills

Programming Languages: TypeScript, JavaScript, Python, C++, SQL, HTML, CSS

Frameworks & Libraries: VueJS, NodeJS, Express, React, WordPress

Databases: PostgreSQL, MySQL

Tools & Technologies: Apache Airflow, Kedro, BullMQ, MailHog, AWS, Git, Jupyter Notebook

Data Analysis: Pandas, Matplotlib, Business Intelligence

Specialisations: Full-stack development, Plugin development, Web scraping, Queue systems, Performance optimisation