

DOMINIC SPINKS

Software Engineer | Full Stack Developer

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Melbourne-based software engineer transitioning from a design and management role to full-stack development, bringing a unique blend of leadership and hands-on coding experience. With expertise in software testing, documentation, and design, and a strong foundation in React, JavaScript and Python, I am passionate about driving software projects from conception to completion.

KEY SKILLS

Technologies/Frameworks: React, Node.js, Express, Django, Git, RESTful APIs, AWS S3

Tools: GitHub, Bitbucket, Postman, Moqups

Languages: JavaScript, HTML, CSS, Python, Bootstrap, TailwindCSS

Databases: MySQL, Microsoft SQL Server, PostgreSQL, MongoDB, Supabase

PROFESSIONAL EXPERIENCE

GRADUATE SOFTWARE ENGINEER

General Assembly

Sep 2023 to Mar 2024

Full stack web development course, including 400+ hours of professional training and coding experience.

- Developed full stack applications, utilising languages and technologies such as React, JavaScript, Node.js, Python, and PostgreSQL, along with cloud services such as AWS and Supabase
- Implemented best practices in software development, such as TDD, continuous delivery pipelines, unit testing, agile methodologies, and wireframing

IT & DEVELOPMENT MANAGER

Infosign

Jan 2020 to Present

Managed the software development cycle, including stakeholder engagement, UI and database design and testing, and integrations with third-party APIs.

- Overhauled two of the product offerings from the ground up including front-end and back-end design, optimising user experience, system security, and database performance
- Implemented scripts for application installation and upgrade processes using Batch, PowerShell, and MySQL, improving support output and reducing user errors

SUPPORT MANAGER

Infosign

Apr 2019 to Jan 2020

Supervised daily operations of the application support department, resolving escalated support tickets, and facilitating internal training and development workshops.

- Developed tools for internal support ticket and stock management solutions using Excel VBA and MySQL, enhancing the integrity and efficiency of support record-keeping
- Created internal documentation and procedures, streamlining support workflows and reducing ticket resolution times

APPLICATION SUPPORT ANALYST

Infosign

Mar 2018 to Apr 2019

Conducted advanced troubleshooting for the Infosign suite of applications and websites, along with the integrated software environment, including IIS Web Service, MySQL, and SQL Server, demonstrating strong problem-solving skills and meticulous attention to detail.

TECHNICAL SUPPORT OFFICER

Osborne Aviation Services

Feb 2015 to Sep 2017

Managed the IT and data acquisition operations for the helicopter and drone arms of the business.

- Developed software with Octave for the internal Aerial Spray System Calibration Program, eliminating the need for outsourcing to external providers
- Led the data analysis and processing team for a state-wide aerial data acquisition project, including progress reporting for stakeholders
- Developed documentation with adherence to regulations and internal ISO9001 Quality Management System
- Upgraded and implemented new PC workstations and networking systems for business expansion into new offices

PERSONAL PROJECTS

PROJECTPACER PROJECT MANAGEMENT TOOL

- Developed using React, Tailwind CSS, and Supabase
- Designed to aid small teams with efficient project management
- Features user authentication, project progress tracking, and real-time team communication via a chat widget

TRIPMIXER HOLIDAY PLANNING TOOL

- Developed using Python, Django, PostgreSQL, and AWS S3
- Facilitates travel planning, allowing users to create and manage their holidays
- Enables users to select destinations, customise itineraries, and share experiences with other travellers

REP-REALM WORKOUT MANAGER

- Developed using MongoDB, Express, and Node.js for the back end, with JavaScript and EJS in the front end
- A web application for creating and storing custom workout routines
- Allows users to browse and save shared workouts from other users

EDUCATION

SOFTWARE ENGINEERING IMMERSIVE

General Assembly

2023 to 2024

BACHELOR OF MECHANICAL ENGINEERING (HONOURS)

Monash University

2011 to 2014