

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 growing foundation in JavaScript, Python, and React, I am passionate about driving software projects from conception to completion.

KEY SKILLS

Languages: JavaScript, Python, HTML, CSS, VBA

Technologies: React, Node, Express, Django, Git, GitHub

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
- Utilised languages and technologies such as React, JavaScript, Python, Node, Express and Django
- Adhered to best practices, including MVC architecture, naming conventions, code reusability, test-driven development, agile workflow, and wireframing

IT & DEVELOPMENT MANAGER

Infosign

Jan 2020 to Present

- Managed the software development cycle, including UI and database design and testing, maintaining a collaborative environment with the development team
- Created scripts for application installation and upgrade processes, integrating Batch, PowerShell, and SQL scripting, improving support output, and reducing user errors
- Designed the hardware and firmware for a bespoke ID scanner solution
- Maintained the internal IT systems including Active Directory, DNS, and Windows Server

SUPPORT MANAGER

Infosign

Apr 2019 to Jan 2020

- Created an internal support and stock management solution in Excel VBA and MySQL
- Developed internal documentation and procedures, improving support workflow and efficiency, and decreasing ticket resolution timeframes
- Managed the support team in daily operations, including internal training and development workshops

APPLICATION SUPPORT ANALYST

Infosign

Mar 2018 to Apr 2019

- Performed advanced troubleshooting in an integrated software environment, involving in-house custom software, IIS Web Service, and MySQL and SQL Server

TECHNICAL SUPPORT OFFICER

Osborne Aviation Services

Feb 2015 to Sep 2017

- Created scripts and procedures for the internal Aerial Spray System Calibration Program
- Led the data analysis and processing team for a state-wide aerial data acquisition project, including progress reporting for stakeholders
- Trained and supported staff with various software packages in a Windows operating environment
- 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, and PostgreSQL
- Facilitates travel planning, allowing users to create and manage their holidays
- Enables users to select destinations, customize itineraries, and share experiences with other travellers

REPREALM WORKOUT MANAGER

- Developed using MongoDB, Express, and Node.js, with JavaScript and EJS in the frontend
- 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