JOSHUA THALAPPILLIL

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TECHNICAL SKILLS

Programming Languages:	Python, TypeScript, JavaScript, HTML, CSS, Java
Frameworks:	Angular, PrimeNG, Django, React, Node.js
Developer Tools:	Git, VS Code, Visual Studio, IntelliJ, PyCharm

WORK EXPERIENCE

Datacom
Software Engineer — 2023 - Present

- Developed and maintained customer portal functionalities for government entities across AU & NZ for front-end (Angular and TypeScript) and backend(Django and Python).
- Developed a Python automation script with Playwright and Docker for testing Zeus functionalities, automating key tasks and enabling flexible deployment.
- Applied technologies such as WSL2, SMTP4dev, PostgreSQL, Kibana (Elasticsearch), RabbitMQ, and Celery in various project implementations.
- Performed independent code testing in the UAT environment to ensure high reliability and quality using CI/CD tools and Python.
- Improved the network device management portal by implementing new features and resolving bugs, following agile sprint methodologies in a collaborative team environment.

Royal Melbourne Hospital
Health Information Manager — 2021 - 2022

- Conducted comprehensive analysis to identify and rectify data quality deficiencies.
- Designed and executed system training programs for clinicians to elevate data quality standards.
- Provided support to staff members for IT-related inquiries, enhancing operational efficiency.

PROJECTS

Zeus3 *Angular (TypeScript), Python (Django), Celery, GitLab and SQL*
Contributed to an application for managing network devices across Australia and New Zealand, developed using Angular (TypeScript), Python (Django), Celery, GitLab, and SQL.

Zeus Customer Portal *Angular (TypeScript) and GitLab*
Contributed to a customer portal for accessing Zeus resources, built with Angular (TypeScript) and utilising GitLab for version control.

Zeus Proof of Concept Upgrade Testing *Python, Playwright and Docker*
Developed a Python-based automation script using Playwright for testing Zeus functionalities before and after an upgrade. The script automated login, navigation, table summary recording, and creation/deletion of test sites and hosts via Zeus API. Utilised Docker for containerisation, enabling flexible deployment across environments.

Website Portfolio *JavaScript, React, tsParticles, HTML & CSS*
Developed a frontend React web application using react-router-dom, incorporating JavaScript, React, tsParticles, HTML, and CSS.

EDUCATION

Skillsoft Percipio
Completed Credentials: Agile Foundations, JavaScript: Fundamentals, Programming Fundamentals: Object-oriented Programming, Getting Started with Java: The fundamentals of Java Programming, Programming in C#: Fundamentals — 2023

The Odin Project
Coding Bootcamp: Foundations of Full-Stack Development — 2022

La Trobe University
Double Bachelor's of Information Management & Health Sciences — Jan 2018 - Dec 2021