

Duale Siad

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Education

IVET

Certificate III of Information, Digital Media & Technology

Feb 2020 - Oct 2021

Epping, VIC, Australia

RMIT University

Diploma of Information Technology

Feb 2022 - Oct 2022

Melbourne, VIC, Australia

- **Relevant Coursework:** Intro to Programming (Python), Intro to Web Development (JavaScript/PHP)

Swinburne University of Technology

Bachelor of Information and Communication Technology

Expected 2025

Hawthorn, VIC, Australia

- **Relevant Coursework:** Data Visualisation (JavaScript), Intro to Programming (Ruby), Object Oriented Programming (C#), ICT Inquiry Project (Agile Methodology)

Experience

Open Source

Software Engineer

Apr 2017 - Present

Melbourne, VIC, Australia

- Implemented a workflow for the Gradle build tool, gradle-tailwind, which aims to implement frontend projects with Java, utilising TailwindCSS.
- Optimised PostgreSQL database queries and HTTP requests, reducing page load times by 20%, and enhancing overall performance.

Self Employed

Freelance Software Engineer

Jan 2024 - Present

Melbourne, VIC, Australia

- Designed and implemented Kotlin and Java web applications.
- Introduced automated testing processes with Kotest and JUnit, to ensure clients that test coverage is assured.

Projects

mirrors.wale.id.au | Bash, Ansible, Grafana, Alpine Linux

- Initiated a project to run repository mirrors for various Linux distributions, such as Arch Linux and Termux.
- Optimised network requests in a service that had received large amounts of traffic in a single day.

gradle-tailwind | Gradle, Kotlin, Java, CSS, HTML

- Built a plugin for the Gradle build tool to streamline development of web applications using the TailwindCSS framework.
- Organised and built the plugin around the nuances of Gradle's Kotlin and Groovy DSLs, to ensure a simple syntax without a lack of functionality on either DSL.

Readconquista | Vue.js, TypeScript, CSS, TailwindCSS, HTML, PostgreSQL

- Built a website based around user generated data on Melbourne public libraries.
- Used Nuxt.js (3) to create a full-stack project with user authentication and role-based permission handling.

Technical Skills

Languages: Kotlin, Java, Scala, JavaScript, TypeScript, Python, C#, F#, OCaml

Technologies: React.js, Next.js, Vue.js, Nuxt, Micronaut, Ansible, JVM, Node.js, CPython, Unix, PostgreSQL, SQLite

Concepts: Cloud Computing, Operating System, Object Oriented Programming, API, Full-Stack Development, Web Development, DevOps