

Duale Siad

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Education

- IVET** Feb 2020 - Oct 2021
Certificate III of Information, Digital Media & Technology
Epping, VIC, Australia
- RMIT University** Feb 2022 - Oct 2022
Diploma of Information Technology
Melbourne, VIC, Australia
- **Relevant Coursework:** Intro to Programming (Python), Intro to Web Development (JavaScript/PHP)
- Swinburne University of Technology** Expected July 2025
Bachelor of Information and Communication Technology
Hawthorn, VIC, Australia
- **Relevant Coursework:** Data Visualisation (JavaScript), Intro to Programming (Ruby), Object Oriented Programming (C#)

Experience

- Open Source** Apr 2017 - Present
Software Engineer
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** Jan 2024 - Present
Freelance Software Engineer
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.

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