

Portia On Ki Ng

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Adelaide, South Australia

CAREER OBJECTIVE

A highly motivated, enthusiastic software engineer offering exceptional services to companies to help develop high-performance applications. With in-depth knowledge of modern development tools and languages, solid problem-solving and communication skills, and experience in leading a development team throughout a project management cycle, I pride myself on providing high quality and timely delivery.

TECHNOLOGY AND TOOLS

C++, Java, Python

Django, MySQL

JavaScript, TypeScript

AWS, Docker

CSS3, HTML5, Sass

Git, SVN

Angular, React, Ionic

Figma, Photoshop

PROJECTS

Jul 2021 – Nov 2021

CI/CD Pipelines and Software Deployments at Scale

CONT7 – Taptu, Adelaide

- ♦ Key Technology Stack: AWS, Docker, GitLab, Angular, Django, PostgreSQL, TypeScript
- ♦ Build a prototype in the architecture of front-end and back-end separation by using Angular, Django, and PostgreSQL to demonstrate the implementation of CI/CD pipelines.
- ♦ The deployment on AWS utilises the Amazon Virtual Private Cloud to create Private and Public Subnet - with the ECS and Database using Private Subnet, the application load balancer in a Public Subnet, as well as an Internet Gateway providing external user connection to the prototype, it secures and monitor connections, screen traffic, and restrict instance access inside the virtual network.
- ♦ Lead a team to design and build CI/CD pipelines at scale with Terraform, GitLab, and AWS.

- Mar 2021 – Jul 2021 Cross Platform App Design and Development
MindSpace - Language Technology for Social Good (LT4SG)
- ♦ Key Technology Stack: Angular, Django, MySQL, Firebase, Ionic, TypeScript
 - ♦ Allows users to use a visual dashboard to analyse their emotions identified with their language overtime, make reflections on underlying emotions and triggers, and provides useful resources to cope with emotional problems.
 - ♦ Build a Cross Platform Web Application in Angular with Ionic framework as frontend, Django and MySQL as backend server and database, and using Firebase for email and Google account authentication.

EDUCATION

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| 2020 - Present | Master of Computing and Innovation
The University of Adelaide
Expected completion: December 2021 |
| 2014 - 2019 | Bachelor of Arts (Honours) in Creative and Professional Writing
Hong Kong Baptist University |