Wilbert Cargeson

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EDUCATION

UNIVERSITY OF MELBOURNE   *Melbourne, Australia*
Bachelor of Science, Major in Computing and Software Systems   *Feb 2019 – Dec 2021*
- Relevant coursework: Design of Algorithm, Object Oriented Software Development, Web Information Technologies, Software Modelling and Design
- Programming language used : Javascript, Java, Python, C, C#, Haskell, Prolog

PROFESSIONAL EXPERIENCE

SHOPEE   *Jakarta, Indonesia*
Software Engineer Intern   *Dec 2019 – Feb 2020*
- Proposed a system architecture modification which improved the overall read and write performance between REST API to database by 300%
- Developed an automated horizontal scaling for Graylog nodes hosted in Google Cloud using Terraform and Ansible Playbook which lowers the cost of virtual machine during off-peak
- Created a REST API with JWT authentication using Go Language and MySQL
- Utilized: Go Language, MySQL, MongoDB, Cassandra, Terraform, Ansible Playbook, Google Cloud Platform

PROJECTS

RIPPLEDEX   *Melbourne, Australia*
Full Stack Developer   *Jun 2021 – Dec 2021*
- Designed, developed and deployed a full stack web CRM using React and Firebase to allow users to easily manage sales and interactions with customers
- Incorporated table for all Interactions, Deals, Companies and Contacts which allows user to export as CSV
- Implemented an interactive calendar page which shows all upcoming and past events and Trello-like Kanban board for task management, which is exclusive per organization
- Utilized: React, Gatsby, Chakra UI, Node.js, Jest, Firebase
- https://ripple-dex.web.app/

THE TAIL OF DOG KNIGHT   *Melbourne, Australia*
Game Developer   *Jun 2021 – Dec 2021*
- Created a click-to-move RPG game set in a vast open world with side quests and monsters waiting for you to explore
- Implemented auto-generation of the world's terrain using Perlin noise map that generates endlessly when explored
- Developed a custom battle, dialogue and quest system which is used throughout the game
- Utilized: Unity, C#, HLSL

SNACK IN A VAN   *Melbourne, Australia*
Backend Developer   *Feb 2021 – May 2021*
- Developed a web application created using the MERN (MongoDB, Express, React, Node.js) stack which focuses on easing ordering between customers and vendors all around Melbourne
- Designed and implemented RESTful API backend server to store cart information per user with JWT authentication
- Utilized: MongoDB, Express, React, Node.js, Jest, Supertest, Heroku
- https://snacks-in-a-van-404inc.herokuapp.com/

LEADERSHIP

PPIA UNIVERSITY OF MELBOURNE   *Melbourne, Australia*
Web Developer   *Aug 2020 – Aug 2021*
- Lead and managed organization's website using Wordpress in order to increase community engagement with events and raise awareness on members-only benefits.
- Constructed a committee only portal page which eases documentation for organization executives
- Designed sponsorship and monthly newsletter using Mailchimp and Canva

SKILLS

Languages: Javascript, Python, C#, C, Java, SQL, HTML5, CSS3, SASS/SCSS, XML, Kotlin(basics)
Full Stack: React.js, Express.js, Node.js, Chakra UI, React Router, MongoDB, Gatsby
Others: Terraform, Ansible Playbook, Git, Unix/Linux, Google Cloud Platform, Heroku, Firebase, Jest, Supertest