

## Work

### Go1

Melbourne, Australia

#### *Senior Software Developer*

June 2022 - Present

As a senior software developer on the Content Core and Content Platform teams I worked on:

- Lead the design and development of migrating our Content Monolith to a decentralised Content System (Typescript, PHP), resulting in up to a 10x improvement in read latency and a decentralised system which enabled for better data governance, integrity, and ownership
- Lead the design and development of the Content Event System (Azure, Typescript), a highly scalable event model which allowed for downstream services to filter and self-configure consumers to consume slim events for further processing
- Lead the design and development of the V3 Go1 Content Public API (Typescript, PHP), a complete redesign of our Content Schema that focuses on a minimal and extensible model for our core data entity
- Lead the design and development of the Go1 Bulk Uploader (ReactJS, Typescript), a browser application which enabled for stable long-running local jobs for content ingestion
- Lead the design and development to unify how we determine content launch behaviour (Typescript, PHP), converging three separate standards and asynchronous data ingestion schemes into one universal property
- Lead the design and development to introduce Content Revisions (Typescript, PHP), a data model which enabled us to store, search and filter for content in multiple languages

#### *Software Developer*

June 2021 - June 2022

As a software developer on the Content Engineering and Content Creator teams I worked on:

- Lead the design and development of the V2 Go1 Content API (Typescript, PHP), Go1's first Public API which enabled for Content Creation
- Lead the design and development of the Go1 Content Studio (ReactJS), a creator-focused embeddable dashboard within the core platform
- Migrating content repositories from Gitlab to Github
- Developing data pipelines within our data lakehouse system

### Alex Solutions

Melbourne, Australia

#### *Software Developer*

May 2020 - June 2021

As a software developer in the Core Platform and Business Glossary teams, I worked on:

- Developed a configurable CLI tool to support in-memory database migrations to postgres
- Lead the design of converting our existing JWT standards from JWS to JWE
- Supervised a team of 10 during a support rotation to tackle client-facing issues

#### *Junior Software Developer*

Oct 2019 - May 2020

As a junior software developer in the Core Platform team, I worked on:

- Developed in-house SAML authentication which enabled SSO for the core product
- Implemented new unit testing practices which resulted in a major uplift of front-end code coverage
- Rearchitected data-intensive features which greatly improved resource usage for our analytics and search

### University of Melbourne - University Services

Melbourne, Australia

#### *Spatial Data Analyst Intern*

Jan 2019 - Apr 2019

Utilized Tableau and python based data processing libraries to:

- Process and analyze spatial datasets for the University's TEFMA and Go8 dashboards
- Visualize spatial datasets to create official University dashboards on vacant space
- Create dashboards that showcase live University prominent building data

### Jakarta Smart City

Jakarta, Indonesia

#### *Data Analyst & Engineer Intern*

Nov 2018 - Dec 2018

Utilized SQL, Tableau, and Python based data processing and visualization libraries to:

- Identify and rectify inaccuracies and logical errors within GOWES datasets

- Analyze and visualize static and geospatial patterns arising from the use of GOWES
- Analyze and visualize varying types of public complaints made to the government
- Conduct data maintenance by observing database usage and analyzing data integrity

Education	<b>University of Melbourne</b> <i>Bachelor of Science Majoring in Computing and Software Systems</i>	Melbourne, Australia Jul 2016 - Jul 2019
Skills	<b>Programming Languages</b> Java, Scala, Javascript, Typescript, Python  <b>Web Frameworks</b> NestJS, Symfony, Play, Spring, NextJS  <b>Databases</b> PostgreSQL, MongoDB, MySQL, Elasticsearch, Neo4J  <b>Cloud Service Providers</b> AWS, Azure  <b>CI/CD</b> Docker, Gitlab, Jenkins, Kubernetes, Cloudflare, Terraform  <b>Others</b> TDD, Database Modelling, Software Modelling, UI/UX Design	
Referral	Wei How Ng, Engineering Manager at REA Group Contact: ngweihow.r@gmail.com	