

Thomas Nieuwland

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About Me

I'm a 24 year old Fullstack Engineer with a passion for back end development, tooling, automation and cloud computing. I love to muck around with all sorts of weird and wonderful tech, no matter how bleeding edge. I'm also an avid video game enthusiast who loves a good book as well as a bit of a music snob, who likes to mess around with a DJ controller in his spare time.

Experience

Grok Learning

Mid Software Engineer

Duties

- Design and implementation of features and functionality for the Grok Learning platform
- Creation of educational content for use on the Grok Learning platform
- Assisting in project management, triaging tickets, simple scrum master work

Accomplishments

- Spearheaded upcoming conversion of database from Javascript to Typescript
- Implemented university examination functionality as well as university rubric based marking into the platform
- Major refactor of multiple core objects that are key to Grok functionality

📍 Sydney, Australia

December 2019 - Present

Rotor Studios

Core Tech and Pipeline Developer

Mid Fullstack Developer

Junior Fullstack Developer

Duties

- Design, implementation and maintenance of core internal architecture as well as various company internal tools
- Development and maintenance of a heavily used asset distribution API
- Development and maintenance of multiple web based product configuration tools

Accomplishments

- Design and implementation of internal analytics and tracking framework
- Design and implementation of core internal database to be used as a source of truth for the company
- Batch image processing pipeline utilising AWS Lambda, which massively reduced both time and cost for the company

📍 Sydney, Australia

April 2019 - December 2019

December 2018 - April 2019

December 2017 - December 2018

Australian Pacific College

Digital Solutions and Resources Support Officer

📍 Sydney, Australia

December 2016 - December 2017

St George & Sutherland Community College

Computer Science Tutor

📍 Sydney, Australia

December 2015 - February 2017

Education

Bachelor of Computer Science

Majoring in Software Engineering

📍 University of Wollongong
2015 - 2018

Higher School Certificate

📍 St John Bosco College
2008 - 2014

✓ Skills

I have experience in the following areas

- Python 2/3
 - Django
 - Flask
 - Celery
 - DRF
- Javascript (Node & ES6)
- Typescript
- C++
- Databases
 - PostgreSQL
 - MariaDB
 - OracleDB
 - MongoDB
 - CouchDB
 - Elasticsearch
 - ElastiCache
 - Redis
- Docker & Docker Compose
- RabbitMQ
- AWS
 - Lambda
 - Kinesis
 - Aurora
 - DynamoDB
 - EC2
 - ECS
 - SNS
 - SQS