

Ng Jin Shan

Box Hill, 3128 | ngjinshan99@gmail.com | (61) 448485064 | <https://ngjinshan.github.io>

EXPERIENCE

Amazon Web Services

Melbourne, Australia

Customer Solutions Manager Intern

Nov 2023 – Feb 2024

- Investigated high demand database migrations and modernizations from on-premise and other cloud providers to AWS, thoroughly exploring their pros, cons, execution options, and common challenges faced by customers when migrating
- Proficiently utilized AWS services and Linux, including EC2, S3, VPC, RDS, DMS, SCT and RHEL9, to create and migrate experimental servers and databases
- Worked closely with senior Customer Solutions Managers, Solution Architects and Subject Matter Experts, actively learning and delving deeply into Oracle on-premise to Aurora PostgreSQL migrations
- Developed a comprehensive database migration runbook for Oracle on-premise to Aurora PostgreSQL with detailed prescriptive guidance for governance, discovery and setup, delivery and operational processes
- The runbook is now utilized by the APJ CSM Community to help address technical and governance challenges faced by customers when migrating to AWS
- Developed Cloud Financial Management guidance for customer executive on cost optimization and delivered the playback to the CTO and Head of Cloud Operations

Monash University

Clayton, Australia

Software Developer

Oct 2022 – Nov 2023

- Addressed time constraints and integration challenges with the University by strategically migrating unstructured data from Google Drive to Airtable to enable the team to manage future modifications efficiently
- Significantly reduced response times for expiring contracts from months to days by developing dashboards and interfaces on Airtable to monitor companies with agreements with Monash University using JavaScript
- Pioneered and led the development of the first-ever Companies on Campus client portal using React.ts, Express.js, Docker, NGINX, AWS EC2, and Red Hat Enterprise Linux
- Led the comprehensive deployment process, covering Dockerization, RHEL8 hosting and the implementation of NGINX as a reverse proxy, ensuring a streamlined and efficient setup for the client portal
- Led cross-functional collaboration and interdepartmental communication at Monash to ensure alignment with business requirements and deadlines are met

Curlec

Petaling Jaya, Malaysia

Software Engineer Intern

Dec 2020 – Feb 2021

- First internship and full-stack programming experience where I successfully developed a demo bank system in four weeks using React.js, Node.js, Express.js, MongoDB and AWS EC2
- The demo bank system was presented to all major banks in Malaysia to demonstrate an upcoming real-time payment capability that was not available in Malaysia at the time
- Led the development of a new subscription-based system using React.js, DjangoRestFramework and PostgreSQL while serving as the project manager

EDUCATION

Monash University | Master of Engineering Management

Jul 2023 – Jun 2024

Grade: 79.25 WAM | 3.75 GPA

Monash University | Bachelor of Software Engineering (Honours)

Oct 2018 – Jun 2023

Grade: First Class Honours (H1)

SKILLS

Strategy and Management: Agile Scrum, Scaled Agile Framework (SAFe), Cloud Database Migration, AWS Migration Acceleration Program, AWS Cloud Financial Management Framework, ISO31000 Risk Management

Technical Skills: AWS, SQL, PostgreSQL, Oracle, MongoDB, Docker, NGINX, RHEL, Linux, JavaScript, TypeScript, React.js, Express.js, Node.js, Python, Git

Certificates: AWS Cloud Practitioner

Languages: English, Mandarin, Malay (Working proficiency)