

Byungjin Park

SOFTWARE ARCHITECT · SECURITY EXPERT

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"Be the change that you want to see in the world."

Work Experience

Everest Engineering - Contract

SENIOR DEVOPS ENGINEER

October 2021- Current

Engaged to help upgrade and move a large Australian retail conglomerate to the cloud, by breaking down a large on premise monolith into cloud-native microservices leveraging mostly serverless platforms such as Lambda, ECS and RDS

- Provisioned resources onto Amazon AWS utilizing CDK IaC (Python and Typescript), and built reusable components to ensure compliance standards, high-availability, fault tolerance, and auto-scaling.
- Built and optimised new/existing automation pipelines in Jenkins and implemented automated dependency updates
- Deployed a centralized monitoring system that includes "Chatops" to alert on AWS metrics, custom application metrics, and security metrics
- Implemented several API microservices leveraging AWS API Gateway and Lambda functions.
- Right sized resources for performance and/or cost.

Australian Energy Market Operator (AEMO) - Contract

SENIOR CLOUD ENGINEER

Nov 2020 - Oct 2021

Working in the Cloud Operations team to uplift and standardize AEMOs move into Azure from on premises and/or other cloud providers.

- Designing and building standardised environments in Azure ARM IaC, and building deployment pipelines in Azure Devops so deployment is fully automatic.
- Moved existing workloads to Azure in a automated, cost-effective, scalable, and low maintenance manner.
- Uplift existing services to move to the use of SaaS products such as Azure AKS.
- Working with developer teams to optimise environments for cost and/or speed.
- Worked with a core data team move ETL processes from legacy systems to a cloud first Azure based data platform.

AGL Energy - Full-time

SENIOR DEVOPS ENGINEER

Nov 2019 - Nov 2020

This role is part of a combined Devops/SRE practice within the wholesale side of AGL. I worked with many different internal teams such as networks, development, operations, security and architecture

- Uplifted general development practices such as:
 - Assisted development teams to adopt a sole git repository workflow and Azure devops for automation pipelines
 - Implemented an automated testing framework to use within deployment pipelines
 - Implemented performance testing and tuning for databases and applications
 - Supported a cloud first architecture and design for new systems / major updates
- Built environments utilizing Terraform and ARM, and created modules to standardize deployments.
- Assisting of containerization onto AKS of legacy applications to reduce the number of VMs, and increasing up time and compute scaling possibilities.
- Implemented Backup and DR strategies, and a dashboard to monitor systems for the SRE team.

Mantel group / CMD - Contract

SLEAD DATA CONSULTANT

Apr 2019 - Dec 2019

Engagements include :

- Lead a small team that designed, deployed, and integrated into current systems(AD, network, file storage) and supported a company wide Data Platform for a tier 1 energy provider
- Built and deployed a serverless ETL system to process customer data and allow it to be accessed seamlessly via snowflake, and also helped uplift capabilities within the clients data team with training sessions.
- This included technologies such as Matillion, Tableau, Domino Data Lab, Gitlab, Snowflake and AWS products such as S3, Lambda, Cloudformation, SNS, SSM.

Education

Bachelor, Computer Systems Engineering
RMIT UNIVERSITY

Melbourne, Australia
2000 - 2003

Bachelor, Software Engineering
RMIT UNIVERSITY

Melbourne, Australia
2003 - 2005

Specialization: Machine Learning
COURSERA

2017

Microsoft Certified: Azure Fundamentals
MICROSOFT

2020

GitLab Certified
GITLAB

2022

- GitLab Certified CI/CD Associate
- GitLab Certified Git Associate
- GitLab Certified Migration Services Specialist
- GitLab Certified Project Management Associate
- GitLab Certified Security Specialist