

Yoshi HEMZAL

INFORMATION

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SUMMARY

I am a motivated and experienced Cloud and Unix Systems engineer with a strong programming background.

I have managed several cloud-based platforms meeting a variety of client needs, most recently supporting the wide-ranging on-prem and cloud infrastructure underlying the Department of Education's operations. I have designed systems and wrote software for projects intended to rapidly scale. My excellent understanding of the data pipeline through a broad range of unix and cloud systems as well as my coding experience have contributed to my success in effectively monitoring, reporting on and ultimately evolving these systems as business needs change.

My best asset is my keen problem solving mindset and I have a strong belief in finishing jobs the right way the first time. Enthusiastic and easy to communicate with, I work well in a team or a self-motivated environment.

SKILLS

- DevOps processes and technologies (Ansible, Puppet, Red Hat Satellite, Bamboo etc).
- Infrastructure as Code mindset: CI/CD pipeline creation, integration and testing.
- AWS/Azure service configuration, load balancing, automation (EC2, DynamoDB, ELB etc).
- *nix system configuration, monitoring, virtualisation, containers.
- Big Data: Splunk (instanced and clustered), query tuning, optimisation.
- A/AD best practices, SCCM configuration and SCOM monitoring experience.
- Fluent programming skills (Golang, Python, Java, Solidity, C, sh, Powershell, SQL).
- Change management - process, documentation, compliance.
- Security - Threat modelling (STRIDE, DFD), risk identification and management.
- Backup and restore.
- System design.
- Excellent written and verbal communication.

EXPERIENCE

OCTOBER 2019-
Current

Site Reliability Engineer at DEPARTMENT OF EDUCATION, NSW, Sydney
Linux and Cloud Infrastructure Platforms

- Designed, engineered and supported wide range of critical 'at-scale' fault tolerant systems used both internally by DoE staff and externally by teachers and students
- Championed the Infrastructure-as-Code culture within the organisation: Wrote Ansible Playbooks and Ansible Tower templates to automate image creation, Linux SoE maintenance, server patching and more
- Squad leader and Scrum Captain for one of several project-focused teams
- Advanced infrastructure reliability, performance, consistency and predictability by proactively identifying single points of failure and developing solutions for scaling and load balancing where required
- Developed the CI/CD pipeline and deployed infrastructure for the organisation's distributed Splunk cluster - one of the largest such platforms in the Southern Hemisphere - streamlining the creation and maintenance of indexes, data inputs, authorisation and authentication, as well as increasing elasticity

APRIL 2018-
OCTOBER 2019

Digital Analyst - Applications at HUNGRY JACK'S PTY LTD, Sydney
Unix and Cloud System Solutions

- Managed AWS-based services (EC2, DynamoDB, ElasticSearch) supporting HJ Web-site, App and Pre-Order/Pre-Pay platform
- Configured monitoring, responded to incidents in real time, wrote PIR breakdowns and suggested pathways for mitigation
- Identified data flow bottlenecks and spearheaded campaign requiring vendor to reduce round-trip time of orders and data overhead
- Built, tested and rolled out Jira platform configured for ingestion and management of customer feedback originating from the app and wrote scripts for automated analytics and reporting
- Liased with vendor, project managers and key company stakeholders to manage app & web release schedule
- Consolidated disparate developer and Project Manager documentation, as well as own knowledge into a homogeneous Knowledge Base

MAR 2018-
JAN 2019

Smart Contract Engineer at KEY INSURANCE SERVICES, Sydney
Systems Design and Blockchain Engineering (Solidity)

- Single-handedly designed and configured ERC-20 Contract in Solidity for KEYis token configuration and sale according to Whitepaper specifications
- Tested and deployed contracts on a local RPC to evaluate security, scalability and functionality of contracts
- Wrote comprehensive documentation describing variables, functions and usage once deployed

MARCH 2016-
FEBRUARY 2018

IT Infrastructure Analyst at DAVID JONES PTY LTD, Sydney

- Escalation for non-HW technical issues supporting Australia-wide team
- Managed Local Spark MapReduce batch jobs processing national sales data
- Managed AD and Windows Server environment as well as legacy identity management and ticketing systems
- Maintained documentation on processes and procedures as upgrades replaced old platform

EDUCATION

SEPTEMBER 2017 Bachelor of Information Technology, **University of Sydney**, Sydney
Major: Information Systems

AUGUST 2017 Bachelor of Arts, **University of Sydney**, Sydney
Major: English

DECEMBER 2012 Higher School Certificate at **Fort Street High School**, Sydney
ATAR: 96.60

INTERESTS AND ACTIVITIES

Blockchain, Open-Source, Distributed and Efficient Computing
Computer language as human language, cryptocurrency
Rock Climbing, Football, Travelling

REFERENCES

Available on request