Scott Gardner

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Experience

Devops Team Lead

Hanasoft

July 2024 – Present

Key Responsibilities and Technologies:

In addition to performing the same hands-on work I did as a senior, I also:

- Mentored and led the Devops Team (4x Direct Reports) to provide stable, reliable platforms for our customers, while also increasing deployment frequency.
- Communicated expectations and complex technical topics across different departments and with strakeholders, including creating Snowflake dashboards using Snowpark and Streamlit for client visibility.
- Advocated for DevOps principles across the entire organisation including o11y, SLIs/SLOs, Error Budgets, Runbooks, Status pages, and increased developer ownership as part of an increased customer first mindset.
- Initiated the migration from a Terraform-based codebase to Pulumi, written in Golang and compiled into SDKs for Python, TypeScript, Go, and DotNet.
- Hired 2 new engineers, expanding the team from 3 to 5 total engineers
- Created training materials to train all of our developers on DevOps fundamentals.

Senior Devops Engineer

Hanasoft

April 2023 – July 2024

Key Responsibilities and Technologies:

Worked for several clients operating trading platforms including binary options, CFD, and gold trading platforms.

- Successfully migrated a messy legacy Jenkins codebase with duplicated groovy files with frequent failures and manual interactions to a fully automated, explicitly versioned deployment pipeline running in AWS using common python across multiple different microservices and background services.
- Migrated infrastructure from an almost entirely manual process (with some CloudFormation) to a modern terraform stack with custom terraform modules used across different clients and environments.
- Implemented Chaos Testing in our nonproduction Kubernetes environment to proactively identify issues and weaknesses
- Maintained a complex environment of React, DotNet, and PHP applications across different clients using ansible, python, kubernetes, helm, and AWS.

Site Reliability Engineer

Ping Identity – Remote (APAC)

March 2021 – April 2023

Key Responsibilities and Technologies:

- Development of pipelines and workflows using Python, Jenkins/Groovy, Gitlab CI
- Ensuring stability and reliability of a large, global, all-AWS, distributed environment across multiple regional using IaC via Terraform, using user data scripts as part of an anti-fragile linux based infrastructure.
- Proactively collaborating with development teams to create strong, stable, and reliable architecture both before and after deployment
- Working across a wide architecture, using numerous technologies, including Puppet, Salt, Kafka, Cassandra, Self-hosted Kubernetes, API Gateway, EKS, Vault, HaProxy, Consul, Mongo Atlas, and Splunk
- In general, worked to constantly improve the architecture and provide a stable, reliable, secure platform for both internal and external stakeholders.

Site Reliability Engineer

IBM Australia, Sydney

JUNE 2019 – March 2021

Key Responsibilities and Technologies:

- Wrote Ansible roles and playbooks, building out an internal galaxy collection to automate tasks, using Ansible, AWX, and Molecule
- Managed Kubernetes and OpenShift clusters to deploy client environments, including custom monitoring, maintenance, troubleshooting, and scripting
- Monitoring a cross platform infrastructure including Windows and Red Hat Linux, on both on premise (VMWare) and cloud (IBM Cloud) solutions
- Work as part of a global team to provide 3 9's availability and co-operatively design, develop, and deploy various projects and integrations in a variety of languages including Python, node.js, bash, and ansible.

Cloud Systems Administrator

IBM Australia, Sydney

MARCH 2015 – JUNE 2019

Key Responsibilities and Technologies:

- Responsible for supporting Saas deployments across a broad range of technologies and stacks, including Windows Server, CentOS/RHEL, Citrix XenApp, and Microsoft SQL Server
- Developed and implementing numerous scripts and applications for internal and external use reducing tickets by up to 80% using Powershell, bash, docker, and node.js

Past Projects **Complete rewrite of legacy build system (Hanasoft)**

Completely rewrote the legacy build and deployment system, migrating from a complex system involving manual actions, duplicated code files for different environments and clients with a high failure rate. By migrating to pipelines running inside AWS using baked AMIs with common scripts creating reproducible builds across all clients and environments triggered automatically upon developer commit, we were able to significantly increase developer trust in our build and deploy process as well as increase nonprod deployment frequency significantly.

Automation Integration (IBM)

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Developed and deployed programs to alleviate common client requests to my team, reducing tickets and overall overhead by as much as 70%. This involved integrating with a new client facing platform within IBM, using Docker, bash, powershell, and node.js

Complete redesign of AMI deployment process (Ping Identity)

Collaborated to design, develop, and deploy an AMI deployment workflow, covering all aspects from MR submission for code changes, building of the AMI including post build testing, automated deployment into a test environment, and automated deployment into staging/production environments after manual promotion.

Education **Bachelor of Information Technology (Software Design and Development Major) – 2015, 3.98 GPA.**

Charles Sturt University, Wagga Wagga, NSW.

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