CALVIN BUI
SNR DEVOPS ENGINEER

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Check out my GitHub and blog just to see how passionate I am about IT, as a career and a hobby!

Apr 19

SENIOR DEVOPS ENGINEER
AUTOPILOT

Environment
· Team of 2 Ops Engineers
· Supporting ~15 developers, >100 customers and >100 servers
· Reporting to Director of Engineering

Responsibilities
· Amazon Web Services (AWS) - EC2, RDS, S3, Lambda, IAM, ECS, Route 53
· Google Cloud Platform (GCP) - GCE, GCS, IAM, ELB
· Rackspace - Cloud VMs
· MongoDB Atlas - Clusters and user management
· Build and maintain CI/CD pipelines in Buildkite and Travis CI
· Build infrastructure using Terraform Enterprise and Packer
· Configuration management using Ansible AWX
· Secrets management using Hashicorp Vault
· Manage internal network - Ubiquiti Unifi and EdgeMAX
· Monitoring and alerting through Datadog, PagerDuty and Rackspace
· Automation and scripting with Bash/Shell and Python

Key Achievements
· Uplifted the Data Science team's release workflow, CI/CD and infrastructure using Docker, Buildkite, Terraform, Vault and GCP

Oct 17 - Apr 19

DEVOPS ENGINEER
COATES GROUP

Environment
· Team of 3 Ops Engineers
· Supporting >20 developers, >40 customers and >20000 devices (Intel NUCs) worldwide
· Reporting to Lead Ops Engineer

Responsibilities:
· Amazon Web Services (AWS) - EC2, RDS, S3, Lambda, IAM, Cloudformation, VPC, SES
· Google Cloud Platform (GCP) - GSuite, IAM, Billing, SSO via Office 365
· Management of GitLab, GitLab CI, Confluence and JIRA
· Deployments (Prod & Internal) using Docker container orchestration (Rancher)
· Level 3 support for Switchboard CMS software through tickets escalated using Zendesk
· Configuration management using Saltstack
· Manage internal network - Sophos, VLANs, Cisco Meraki
· Proactive monitoring through Prometheus, AlertManager and Grafana
· Automation and scripting with Bash/Shell and Python
· Upskilling and training of Ops practices in overseas offices

Key Achievements
· Design of Elastic Stack (ELK) deployment using Saltstack for log management
· Design, configuration and deployment of AWS Elastic Load Balancers (ELB) through CloudFormation programatically with Python (boto3 library)
· Design, configuration and migration to RDS Aurora from MySQL with CloudFormation
· Introduced Kanban to the team with JIRA and associated agile ceremonies
· Automated migration of projects from GitLab.com to GitLab EE (+ Git LFS projects)
· Co-designed the Release Management process with Git and container orchestration
· Implemented SSO/LDAP authentication for all engineering-related tools
· Reduced AWS bill with consolidated billing, reserved instances and rightsizing

Nov 16 - Oct 17	**DEVOPS ENGINEER** **COMMONWEALTH BANK OF AUSTRALIA**
Feb 16 - Nov 16	**GRADUATE** **COMMONWEALTH BANK OF AUSTRALIA**
Mar 15 - Dec 15	**TECHNICAL SUPPORT OFFICER** **E-FLO COMPUTERS**
Feb 14 - Feb 15	**INNOVATIONS CENTER TECHNICAL INTERN** **IBM**

PORTFOLIO & PROJECTS

· Development Projects: https://github.com/calvinbui
· 3D Modeling and 3D Printing: https://www.thingiverse.com/calvinbui/designs
· Blog: https://calvin.me

EDUCATION

2012 - 2015	**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY** UNIVERSITY OF TECHNOLOGY, SYDNEY Graduated with Distinction

CERTIFICATIONS, AWARDS & ACTIVITIES

- USYD BISA Mentor (2017)
- VMware vSphere 6 Masterclass Short Course (2016)
- Fairfield OzTag Mens Opens (2016)
- Full Drivers & Provisional Motorcycle Licence (2015)
- IBM DB2 Academic Associate (2014)
- Agile Project Management Short Course (2013)
- UTS Discovery Day Team Leader (2013)
- Cisco Certified Entry Networking Technician (2012)
- Languages: English (native) & Vietnamese (proficient)