CALVIN BUI
DEVOPS ENGINEER

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

EXPERIENCE

● Oct 17

DEVOPS ENGINEER
COATES GROUP
· Amazon Web Services (AWS) - EC2, RDS, S3, Lambda, IAM, CloudFormation, VPC, SES
· Management of GitLab, GitLab CI, Confluence and JIRA
· Deployments using 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

Key Achievements
· Design of Elastic Stack (ELK) deployment using Saltstack for log management
· Design, configuration and deployment of AWS Elastic Load Balancer (ELB) through CloudFormation programatically with Python (boto3 library)
· Introduced Kanban to the team with JIRA and associated agile ceremonies
· Automated migration of projects from GitLab.com to self-hosted GitLab CE instance with Git LFS
· Co-designed the Release Management process in respect to Git and container orchestration. Developed user-friendly Python scripts to automate said processes.
· Implemented SSO/LDAP authentication for all engineering-related tools
· Reduced AWS bill with consolidated billing (AWS Organizations), reserved instances and periodic shutdown of EC2 instances.

Environment
· Team of 4 Engineers
· Supporting ~20 developers and ~30 customers and over 20000 devices worldwide
· Amazon Web Services (AWS), Docker microservices, Ubuntu Server, MySQL

● Nov 16 - Oct 17

DEVOPS ENGINEER
COMMONWEALTH BANK OF AUSTRALIA

· Responsible for bank standard CI/CD tools: JFrog Artifactory, SonarQube, NuGet, GitHub Enterprise, Atlassian BitBucket Server and JetBrains TeamCity
· Provide 3rd level support and training for CI/CD tools listed previously.
· Consulting, promoting and implementing tools and processes that automate the flow of code through tools listed above.
· Provide consultancy and engineering for projects in regards to CI/CD
· Developing and using Ansible scripts to automate workflows
· Monitoring and logging of services using AppDynamics and Splunk
· Issue tracking and Scrum sprint management using Atlassian JIRA and Confluence

Key Achievements
· Engineered an automated build pipeline for creating Vagrant boxes using Packer, Ansible and VirtualBox for local development and testing
· Established the team's Git-flow model used for all team repositories
· Implementation of JFrog Artifactory, Mission Control and Xray in the bank's production environment and onto AWS
· Developed AppDynamics monitors for Artifactory package managers (i.e. Yum, PyPI, Gems, NuGet, etc.) to observe and mimic end-user response times, errors and experience.

Environment
· Team of 6 Engineers
· Supporting 8000 bank developers locally and off-shore
· Docker, Red Hat 5/6/7, Windows Server 2003-2012, MS SQL

Feb 16 - Nov 16

PROJECT MANAGEMENT OFFICER
COMMONWEALTH BANK OF AUSTRALIA

Graduate rotation in the Project Management Office team which looks after resourcing for all projects with an IT component. Alongside this, I have worked with the Reporting and Analytics Team in the use of Excel, SharePoint and Tableau. I was in a car accident during this role and subsequently took 6 months off work.

Key Achievements
· Integrated collaboration tools such as OneNote into team workflow
· Created VBA scripts to automate tasks within Excel and Outlook
· Collaborated in the development of a team dashboard built through Excel which queries several data sources
· Created a standard operating procedure for onboarding new employees & contractors
· Co-developed a graphical & sortable web interface for Resource Managers showing the number of new hires & hiring requests within each business unit.

Mar 15 - Dec 15

TECHNICAL SUPPORT OFFICER
E-FLO COMPUTERS

· Onsite support for residential, business & school customers.
· Installation & management of enterprise systems & networks typically running Windows Server.
· Advise on purchases & provide training on technology use.
· Configuration of iPads using Apple Configurator & Windows-based PCs using SCCM.

Key Achievements
· Developed a program centered around iPads at an underprivileged school in Western Sydney.
· Overhauled the computer lab at the same school which led to frequent use by teachers for lessons & students during lunchtime.
· Taught teachers how to use technology to deliver their lessons interactively through collaboration (Google Classroom, ClassDojo), video (iMovie, Green Screen) and photo (Comic Life, Puppet Pals) apps.

Environment
· Single on-site support with team contactable over phone or WhatsApp chat
· Primary and secondary schools from 100 to 700 users
· Devices: Windows Desktops and Laptops, Apple iPads, Printers

Feb 14 - Feb 15

INNOVATIONS CENTER TECHNICAL INTERN
IBM

· Introduce customers to the centre & supervise their sessions by setting up their requested development & testing environments on IBM hardware & software.
· Identify & improve processes through scripting.
· Pioneer & support for IBM Bluemix (PaaS) in beta & release by developing proof-of-concept apps.
· Manage the centre's classroom containing 24 computers and its bookings for 20+ IBM training events held throughout the year.

Key Achievements
· Set up & optimised IBM's new POWER8 systems for customer usage at the centre.
· Created interactive and automated scripts for VPN user creation & modification.
· Developed applications for management of the center such as a landing page that offers transparency to the infrastructure and services within the center, links to their web interfaces and monitoring of their current status (https://github.com/calvinbui/home).
· Migrated the team's document repository to a new platform before its sunsetting & provided training on its use and features.
· Created a survey building app on IBM Bluemix to be used across IBM ANZ for Bluemix events.

Environment
· Team consisted of three Senior Technical Consultants, reporting to an IBM Regional Executive
· Up to 10 engagements are a time with an average of 5 developers each
· 300+ Virtual machines running Red Hat Linux, VMware, Windows Server, MS SQL, AIX
· 80+ servers & devices comprising of Intel, POWER, SANs, Blade chassis, Cisco Networking
· Technologies: Ruby on Sinatra, Bash Scripting, Powershell Scripting, Batch Scripting

PORTFOLIO & PROJECTS

- https://github.com/calvinbui/twice-bot-fbmessenger
- https://github.com/calvinbui/Material-Usenet-Dashboard
- https://calvin.me/home-security-cameras/
- https://www.thingiverse.com/calvinbui/designs
- https://github.com/calvinbui/home

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)