Tom Kavanagh

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Summary

Cloud Engineer and Full Stack Software Developer with 10 years experience in designing and developing solutions for medium to large organisations. Experienced in DevOps, Automation and SRE.

I have experience with Amazon Web Services (AWS), Google Cloud Platform (GCP) and using tools such as Terraform, GitHub and Gitlab.

Most recently, I have been working with a large banking client to deliver an automated Virtual Desktop Infrastructure (VDI) solution in GCP using Terraform, GitLab and serverless applications.

Experience

Cloud Consultant
Contino

Sep 2022 - Present (7 months)
• Working with enterprise customers in implementing Cloud and DevOps solutions
• Supported development teams in creating Infrastructure as Code (IaC) and CI/CD pipelines using Gitlab and Terraform
• Implemented Release Automation to improve software deployments
• Automated the deployment of Virtual Desktop Infrastructure (VDI) to Google Cloud Platform (GCP)
• Automated environment provisioning of Identity and Access Management Software
• Developed containerized workloads and automation patterns
• Automated dependency version checking for improved patch management, reducing security vulnerabilities and ensuring compliance

Cloud Engineer
Contino

Sep 2021 - Nov 2022 (1 year 3 months)

Technical Operations Manager
RACE Services Pty Ltd

Jan 2018 - Aug 2021 (3 years 8 months)
• Designed and developed a SaaS application, 'Quirry' used state-wide for client asset management
• Full-stack development of software for internal processes
• Designing high availability and scalable system infrastructure
• Development lead and training of junior developers
• Automated subcontractor compliance monitoring via APIs
• Automated the creation and distribution of JSEA and service reports to clients
• Created monitoring solutions for servers and BMS systems across the state
• BMS and access control support specialist

- Project management

Technical Operations Manager
Bentrol

Aug 2016 - Dec 2017 (1 year 5 months)
- Specialised in technical projects
- Custom Software Development including Application Programming Interfaces (APIs)
- Product design and development with BACnet, Modbus and other Communication Protocols
- Building Management System Programming
- Project management
- Advanced High Level Interfacing
- Management of Building Service contracts
- Systems Integration and Monitoring
- Energy Management Systems (EMS)
- Improved technical processes to help the business function more efficiently

System Administrator
Bentrol

Feb 2014 - Aug 2016 (2 years 7 months)
- Management of the company network, phones and desktop fleet
- System Migrations of Linux, Windows Servers and Databases
- Provisioning of servers
- Technical Support for BMS and Access Control systems
- Developed a monitoring system for managed BMS sites
- Designed and developed an internal application to manage business processes

Assistant Computer Technician
Bendigo Senior Secondary College

Jan 2013 - Jan 2014 (1 year 1 month)
- Maintained desktops and mobile devices around the college
- Provided technical assistance to staff and students
- Developed user documentation
- Provided information sessions for staff
- Created scripts, small programs and help sheets to assist staff and students
- Assisted with customising and creating windows images with unattended install scripts
- Installed new workstations and imaged them via WDS
- Primarily responsible for maintaining a fleet of iPads available to staff and students

Education

Bendigo Senior Secondary College
2011 - 2012

Licenses & Certifications

ICA30111 - Certificate III in Information, Digital Media and Technology - University of Ballarat

AWS Cloud Practitioner - Amazon Web Services (AWS)
6WV7YJLJ1MB119GK

AWS Certified Solutions Architect – Associate - Amazon Web Services (AWS)
8Y74GKYDDEQ41ZSR

Microsoft Certified: Azure Fundamentals - Microsoft

HashiCorp Certified: Terraform Associate - HashiCorp

AWS Certified Developer – Associate - Amazon Web Services (AWS)

Associate Cloud Engineer - Google
50832090

LFC131: Green Software for Practitioners - The Linux Foundation
LF-sc468os8td

Skills

Cloud Computing • Amazon Web Services (AWS) • Software Development • Infrastructure as code (IaC) • Continuous Integration and Continuous Delivery (CI/CD) • Google Cloud Platform (GCP) • Python (Programming Language) • Automation • Server Migration • Kubernetes