

Nash Reddy

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[Portfolio](#)

Summary

Experienced DevOps engineer with a proven track record of optimizing IT solutions to enhance business efficiency and user satisfaction. Skilled in implementing automation, CI/CD, infrastructure management, and cloud technologies to deliver seamless and scalable software deployments. Proficient in Agile methodologies and dedicated to driving innovation in fast-paced environments.

Skills

Infrastructure as Code (IaC) • CI/CD Pipeline • Containerization (Docker, Kubernetes) • Virtualization (VMware) • Security (IAM, SSL/TLS, Firewall Configuration) • Networking (VPC, VPN, CDN) • Scripting (Python, Bash, PowerShell) • Cloud Technologies (AWS, Azure) • Provisioning, Configuration (Terraform, Ansible) • Monitoring and Logging (AWS CloudWatch, Prometheus, Grafana) • Agile Methodologies • Databases (RDS, Azure SQL Database, No SQL) • DevOps Best Practices • Version Control (GitLab, Git) • Operating Systems (Linux, Windows Server).

Experience

AWS System Engineer

Culture Kings – Australia

Oct 2023 – Present

- Contributed to writing YAML files to provision AWS Kubernetes cluster infrastructure, ensuring scalability and reliability of microservices architecture.
- Deployed and managed microservices using CI/CD pipelines, facilitating continuous integration and deployment of applications.
- Experienced in ETCD backups and restores, ensuring data integrity and high availability of Kubernetes cluster configurations.
- Proactively managed and optimized AWS costs, reduced expenses per month 20% by conducting comprehensive cost analysis using AWS Cost Optimization Hub, Cost Explorer, and Trusted Advisor.
- Automated AWS Snapshot clean-up process by using Python, enhancing operational efficiency and reducing manual intervention
- Conducted EBS volumes review and implemented migration strategies to the latest volume types, optimizing storage performance and reducing costs.
- Configured and maintained Amazon EC2 instances, ensuring optimal performance and resource utilization.

- Conducted regular security audits, implemented IAM policies, and enhanced overall system security posture
- Developed and maintained backup and recovery strategies, ensuring data integrity and minimizing data loss risks.
- Participated in Agile/Scrum ceremonies, contributing to the successful delivery of projects ahead of schedule.
- Deployed and managed AWS resources, including S3 buckets, RDS databases, and VPCs, to support business applications.
- Utilized automation tools and scripting to streamline routine tasks, improving operational efficiency.
- Collaborated with cross-functional teams to troubleshoot and resolve complex technical issues.



Cloud Engineer

Bolton Clarke - Australia

Dec 2018 – Oct 2023

- Led the implementation of cloud architecture for multiple projects, resulting in improved scalability and cost savings.
- Automated resource provisioning and configuration using Infrastructure as Code (IaC), reducing deployment time by 60%.
- Implemented security best practices, including network security groups, encryption, and access controls, ensuring compliance with industry standards.
- Established a robust backup and disaster recovery strategy, reducing data loss risk by 30%.
- Monitored cloud infrastructure using AWS CloudWatch, Prometheus, creating custom metrics and alarms for proactive issue resolution.
- Documented cloud architecture, configurations, and procedures for knowledge sharing and troubleshooting.
- Spearheaded DevOps initiatives to streamline software development and deployment processes.
- Automated manual processes with Python, reducing processing time and minimizing errors.
- Supported operational excellence through process improvements and quality enhancements.



Software Developer

MVPStudio- Australia

Jun 2018 - Nov 2018

- Contributed to an Automated, Intelligent property investment platform.
- Utilized ASP.NET MVC, JIRA, HTML/JavaScript/React/CSS/jQuery, SQL 2012, CI /CD and Git.
- Participated in Agile development, daily stand-up meetings, and project sprints.
- Created user-centric pages and ensured efficient task completion.



Senior Systems Analyst

AIA – New Zealand

Jan 2016 - Apr 2018

- Managed projects on .Net & SQL, installing, maintaining, and monitoring Windows servers and applications.
- Conducted server hardening, SQL database administration, and backup processes.

- Ensured operational support and maintenance of critical in-house applications.
- Contributed to SDLC and Agile work environments.
- Administered AS400 environment, coordinated technical problem resolution.
- Conducted system monitoring, housekeeping, and on-call duties.
- Maintained accurate documentation and provided IT induction training.
- Automated App Installation by using Python to avoid after-hours work.
- Set up windows node and DB dashboard by using Grafana & Prometheus.
- Created script to check DB server's disk space every morning and alert team by sending colored emails if the disk space is less than 5% threshold.
- Prepared Application User access security review packages using Microsoft Visual Studio and automated them using SSIS and SQL Agent Jobs.
- Designed and deployed applications on-prem & cloud with HA and DR capabilities.

Systems Analyst

AIA – New Zealand

Jan 2014 - Jan 2016

- Demonstrated expertise in ITIL Service Management Practices.
- Resolved BAU tickets, troubleshooting issues with corporate infrastructure.
- Supported end-users through various channels, including remote tools.
- Managed PCs, servers, hardware upgrades, and software configurations.
- Involved in IT audits, application upkeep, and digital data management.
- Contributed to security software upgrade projects.
- Administered security tools and managed product procurement.

IT Support Analyst

Vodafone – New Zealand

Mar 2012 - Jan 2014

- Built and maintained relationships with SME customers, providing technical support.
- Analysed and troubleshooted software and hardware issues.
- Created help desk documentation for problem-solving techniques.

IT Support Analyst

Pizza Hut – New Zealand

Mar 2008 - Nov 2011

- Provided technical support to end-users, resolving software and hardware issues.
- Conducted troubleshooting and diagnosis via phone, email, and remote tools.
- Collaborated with cross-functional teams to ensure timely problem resolution.

Licenses & Certifications



DevOps Boot Camp - TechWorld with Nana



AWS Cloud Quest: Cloud Practitioner - Amazon Web Services (AWS) AWS Cloud Quest: Solutions



Architect - Amazon Web Services (AWS)



CCNA ROUTING & SWITCHING - Cisco

Issued Nov 2013 - Expires Nov 2016 (CSCO12429037)



CCNA Security - Cisco

Issued Nov 2013 - Expires Nov 2016 (CSCO12429037)



MCTS SQL 2008 Implementation and Maintenance – Microsoft (E421-7694)

Education



Avonmore Tertiary Institute

Diploma In Computing- Level 7, System, Networking, and LAN/WAN Management/ Manager



Sri Krishnadevaraya University

Master of Electronics

Honors & Awards

- Best Employee Award - AIA