Bijaya Budhathoki

Site Reliability Engineer & Security Engineer

Plymouth / Remote / Willing to Relocate

linkedin.com/in/budhathokibijaya

github.com/BBijaya

Professional Summary

Site Reliability Engineer with a strong security background, specializing in building and securing cloud-native infrastructure. Started as a System Administrator and transitioned through security engineering roles, gaining expertise in endpoint protection, SIEM platforms, AWS security services, and compliance frameworks (Cyber Essentials, ISO 27001). Currently focusing on SRE practices—automating infrastructure with Terraform, implementing CI/CD pipelines, and maintaining observability with Prometheus whilst ensuring systems are both secure and reliable by default.

Professional Experience

Site Reliability Engineer

Alcidion, Manchester, UK (Remote)

July 2024 - Present

- Maintain reliability and availability of mission-critical healthcare systems serving NHS trusts across the UK

- Provide technical support to healthcare customers, ensuring system stability and rapid incident resolution

- Implement comprehensive monitoring and observability solutions using Prometheus and related tools to increase system visibility

- Manage and maintain cloud infrastructure across multiple environments, ensuring security and compliance in healthcare sector

- Collaborate with development teams to implement SRE best practices and improve system resilience

Information Security Lead

Genese Solution, Plymouth, UK

September 2023 - July 2024

- Led team of 5+ engineers to deploy infrastructure security solutions including CrowdStrike and Bitdefender GravityZone across multiple client environments
- Reviewed and improved organizational data privacy policy, data protection policy, incident response, and business continuity/disaster recovery procedures aligned with ISO 27001, NIST, and GDPR standards
- Coordinated with internal teams and stakeholders for ISO 27001 certification, conducting risk assessments and preparing audit documentation
- Enhanced cloud workload security through implementation of AWS Config and AWS Security Hub for continuous compliance monitoring
- Conducted infrastructure security audits for multiple clients, identifying vulnerabilities and implementing remediation strategies

Information Security Engineer

Fusemachines, Kathmandu, Nepal

March 2022 - August 2023

- Contributed to development and implementation of strategic security initiatives aligned with business objectives
- Collaborated with senior management to define security goals and create dynamic security roadmap
- Maintained comprehensive security program, enforcing policies and standards across the organization
- Integrated security controls into various business processes and conducted regular risk assessments
- Promoted security-conscious culture through employee training and awareness programs
- Oversaw incident response procedures and security monitoring, staying current with emerging security technologies

Earlier Experience

System Administrator

Fusemachines, Kathmandu, Nepal

November 2019 - April 2022

Managed Linux infrastructure and Docker/Kubernetes environments supporting machine learning deployments for large development teams.

System Administrator

Dryice Solutions Pvt. Ltd., Kathmandu, Nepal

November 2018 - October 2019

Foundation in Linux system administration, infrastructure support, and troubleshooting in production environments.

Technical Skills

Cloud Platforms
AWS, Google Cloud Platform, Microsoft Azure

Container & Orchestration
Kubernetes, Docker, Helm, EKS, GKE

Infrastructure as Code
Terraform, Ansible, CloudFormation

Security Tools
CrowdStrike, Bitdefender GravityZone, Wazuh, Wireshark

CI/CD & Automation
GitHub Actions, Azure DevOps, Jenkins

Monitoring & Observability
Prometheus, Grafana, ELK Stack, CloudWatch

Programming & Scripting
Python, Bash

Methodologies
DevSecOps, SRE, Agile, Zero-Trust Architecture

Certifications

CISSP – Certified Information Systems Security Professional
(ISC)²

AWS Certified Security - Specialty
Amazon Web Services

AWS Certified Solutions Architect - Associate
Amazon Web Services

Google Cloud Associate Cloud Engineer
Google Cloud

Certified SOC Analyst (CSA)
EC-Council

Education

MSc Cyber Security, Cyber/Computer Forensics and Counterterrorism

University of Plymouth

September 2023 - October 2024

Bachelor of Technology - BTech, Computer Science

Maharshi Dayanand University (MDU), Rohtak

2014 - 2018

References

Available upon request