



Contact

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- <https://github.com/piumsudhara>
- <https://pium95.web.app>

Technologies / Tools

- AWS, GCP, Azure
- Docker, Kubernetes, Kustomize, Helm
- Terraform, Ansible
- Jenkins, GitLab CI/CD, GitHub Actions, CircleCI, Spinnaker, ArgoCD, Flux
- Apache Kafka
- DataDog, Prometheus, Grafana, Loki, ELK/EFK
- Java, Python
- Vault, Istio, Consul, Envoy
- Firebase, Heroku, DigitalOcean

Pium Sudhara Karunasena

Results-driven Senior DevOps Engineer with over 6 years of experience in cloud infrastructure management, automation, and SRE practices across AWS, Azure, and GCP. Proven expertise in leading cross-functional teams, mentoring junior engineers, and optimizing systems for scalability, security, and reliability.

Active AWS Community Builder and technical speaker, passionate about simplifying complex cloud technologies.

Experience

Senior DevOps Engineer

IFS, Sri Lanka | 2025 March - Present

- Designed and implemented CI/CD pipelines using Azure DevOps and GitHub Actions, reducing deployment times by 40% and enabling zero-downtime releases for critical applications.
- Automated infrastructure provisioning and application deployments using Terraform and Bicep, improving consistency and reducing manual interventions by 50%.
- Collaborated with development and operations teams to enhance system performance, achieving 99.99% uptime for distributed infrastructure.
- Maintained infrastructure-as-code (IaC) practices with ARM and Terraform, streamlining scalability for MicroServices on Kubernetes.
- Monitored and optimized system performance using Prometheus and Grafana, resolving critical incidents 30% faster through proactive alerting.
- Drove innovation in infrastructure operations by implementing container orchestration with Docker and Kubernetes, supporting 5x traffic growth.
- Documented infrastructure builds and created support RunBooks, reducing onboarding time for new engineers by 25%.

Senior Engineer Cloud Operations/SRE

London Stock Exchange Group, Sri Lanka | 2024 Aug - 2025 March

- Led troubleshooting and maintenance of AWS and Azure landing zones, achieving 99% SLA compliance for production systems.
- Contributed to the LSEG-Microsoft Azure landing zone project, enhancing security and scalability for enterprise workloads.
- Built automation pipelines with Jenkins and Terraform, reducing manual configuration efforts by 60%.
- Enhanced observability using DataDog, minimizing incident response times by 20% through optimized monitoring.
- Mentored 5 junior SREs, improving team productivity through knowledge sharing workshops on cloud best practices.

Cloud Operations Engineer

London Stock Exchange Group, Sri Lanka | 2022 February - 2024 August

- Maintained and troubleshooted AWS, Azure, and GCP infrastructure, ensuring high availability and security.
- Built automation pipelines with Jenkins and Terraform, reducing provisioning time by 35% for cloud infrastructure.
- Implemented monitoring with DataDog, identifying performance bottlenecks and improving system reliability by 15%.
- Onboarded and decommissioned client projects, streamlining transitions and improving project delivery by 20%.
- Participated in 24/7 on-call rotations, resolving 90% of cloud-related incidents within SLA targets.
- Applied patch updates and vulnerability fixes, enhancing security compliance across cloud infrastructure services.

Education

- BSc (Hons) Software Engineering
Second Class Upper Division
University of Plymouth, UK
2016 Nov - 2019 Dec
- Secondary Education
St. John's College, Nugegoda, Sri Lanka
2005 - 2014

Volunteering

- AWS Community Builder at APAC Region
- Senior Member/Mentor at NSBM Free and Open Source Software Community

References

- Sahan Pradeep
Technical Lead - Cloud Operations
London Stock Exchange Group
Sri Lanka

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Mobile: +94 71 460 1720
- Lahiru Senevirathne
Senior Cloud Engineer
Singtel
Singapore

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Mobile: +94 77 229 3998

Associate Site Reliability Engineer

- Chakray Consultancy, Sri Lanka | 2021 October - 2022 February
- Managed WSO2-based applications and micro-gateway services, achieving 99.9% uptime through proactive patching and troubleshooting.
 - Provisioned high-availability application environments using AWS Elastic Beanstalk and Terraform, reducing setup time by 30%.
 - Integrated Jenkins pipelines for WSO2 application releases, streamlining deployment processes by 25%.
 - Configured monitoring with Grafana and EFK stack, reducing incident resolution time by 15% through proactive detection.
 - Educated team members on cloud technologies, driving adoption of AWS best practices and improving team efficiency.

Associate DevOps Engineer

- Codezilla (Pvt) Ltd, Sri Lanka | 2019 August - 2021 October
- Deployed containerized applications using Docker, improving scalability and reducing infrastructure costs by 25%.
 - Integrated GitHub Actions for CI/CD pipelines, accelerating release cycles by 30%.
 - Designed MicroService architectures on AWS EKS and GCP GKE, supporting 10x traffic growth for web applications.
 - Developed cloud architectures on AWS and Heroku, ensuring 99.9% uptime for client-facing services.

Cloud awards

https://www.cloudskillsboost.google/public_profiles/d1e83b64-cb88-4218-aecb-c02cbf058b69

- Setup and configure a cloud environment in Google Cloud
- Deploy to Kubernetes in Google Cloud
- Secure workloads in Google Kubernetes Engine
- Build and secure networks in Google Cloud
- Implement DevOps in Google Cloud
- Engineer Data in Google Cloud
- Integrate with machine learning APIs
- Deploy and manage cloud environments with Google Cloud
- Build a website on Google Cloud
- Google Kubernetes Engine: Security