



# 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.

## Contact

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- <https://piumsudhara.medium.com>
- <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

## Education

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- 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

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

## References

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

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- Lahiru Senevirathne  
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Singtel  
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## 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

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[https://www.cloudskillsboost.google/public\\_profiles/d1e83b64-cb88-4218-aecb-c02cbf058b69](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