



Gautham Prakash

Cloud / DevOps Engineer

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Profiles

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Summary

Senior Cloud & DevOps Engineer with 5+ years of experience across UAE, India, and the US, leading enterprise DevOps enablement and cloud modernization initiatives. Proven expertise in AWS and Azure, Kubernetes, Terraform, and CI/CD, with a strong focus on security, cost optimization (FinOps), and platform scalability. AWS triple-certified professional experienced in mentoring teams and delivering business-critical cloud solutions.

Experience

Albatha Holding LLC August 2024 - Present
Lead DevOps Engineer Dubai, UAE

- Cloud & DevOps Enablement:** Led infrastructure modernization, CI/CD pipelines, and developer experience improvements across Albatha Group.
- On-premise → Dropbox → SharePoint Migration:** Migrated critical audit data ensuring zero data loss and compliance. Automated bulk uploads via a custom solution where native tools were failing.
- Website Centralization Initiative:** Consolidated multiple (10) websites, improving deployment speed, reducing vendor lock-in, increasing licensing transparency, and optimizing costs for group companies.
- AI & IoT Infrastructure:** Designed a GPU-based microservices architecture, containerized applications, automated IoT device onboarding, and implemented Traefik for secure routing.
- SAP BTP & Employee Portal:** Conducted SAP BTP Kyma Kubernetes POC, provisioned environments, deployed production apps, and architected internal employee portal for scalability.
- DevSecOps & Training:** Delivered recurring workshops on secure coding, GitOps, containerization, and CI/CD best practices.
- Cloud Operations & Cost Optimization:** Optimized Azure subscription costs through FinOps reporting and RBAC governance, improving cost visibility and reducing unnecessary spend across business units.
- Digital Signature Solution:** Designed and deployed a secure, cloud-based PDF signing solution using Azure Functions, Key Vault, Blob Storage, and Power Automate.

Environment: Azure, Microsoft 365, Ansible, Docker, GitLab CI/CD, Traefik, Kubernetes, SAP BTP Kyma, AI GPU infrastructure, On-premise, Hybrid

Cognizant Technology Solutions October 2022 - July 2024
Cloud Engineer Cochin, India

- Designed resilient **AWS HA/DR architectures**, minimizing downtime during regional failures.
- Led DR drills and validated recovery procedures for business continuity.
- Mentored junior engineers on Terraform, HA/DR, and cloud security best practices.
- Modularized Terraform code for multi-region provisioning, reducing environment setup time.
- Strengthened security posture via IAM controls and [Wiz.io](#) remediation.
- Managed Kubernetes clusters, including upgrades, HPA implementation, and troubleshooting.
- Achieved ~30% AWS cost reduction via Lambda automation, Karpenter autoscaling, and EC2/RDS right-sizing.

Environment: AWS, Terraform, Kubernetes, Karpenter, Lambda, IAM, Jenkins, Wiz.io, EC2, RDS, IOT

eXlygenze Senseworks Private November 2021 - September 2022
Cloud / DevOps Engineer Mumbai, India

- Managed AWS cloud environments with performance tuning and cost optimization.
- Conducted load testing with Locust to identify bottlenecks and enable right-sizing.
- Containerized applications and automated deployments via Ansible, improving reliability.
- Implemented POCs for Vault, Prometheus, and Loki to support CI/CD, security, and monitoring.

Environment: AWS, Docker, Ansible, Prometheus, Loki, Vault, Locust, Github

Freelance Developer May 2019 - June 2021
Consultant

UBC Business School | HKU Business School | CUHK Business School

- Delivered **research-grade data engineering solutions** for globally ranked universities, supporting large-scale academic and market research initiatives.
- Designed and implemented **high-volume web data extraction pipelines**, collecting and processing millions of records from platforms including Yelp, BBB, Google Play Store, Huawei AppGallery, Tencent Mobile Store, and Apple App Store.
- Produced **large, structured datasets** that were later published on Kaggle and GitHub, enabling downstream analysis in **machine learning, security research, and market intelligence**.
- Acted as a **technical advisor** to research teams, translating academic requirements into scalable engineering solutions and optimizing pipelines for performance and cost efficiency.

Technologies: Python, Scrapy, Selenium, Data Processing, Automation, DigitalOcean, Node.js, MongoDB

Education

Marian College, Kerala, India August 2018 - March 2020
Master of Computer Applications Full-time
85.32%

St. Berchmans College Autonomous, Kerala, India July 2015 - March 2018
Bachelor of Computer Applications Full-time
89.30%

Projects

Google Play Store Apps January 2019 - July 2021
Largest public Google Play Store app dataset

[gauthamp10/google-playstore-apps](#)

Creator of the largest public Google Play Store dataset on Kaggle (~2.3M apps,33.3K Downloads), enabling large-scale app market and ML analysis through structured, high-quality open data.

Apple AppStore Apps October 2021
Apple AppStore App data of 1.2 Million+ applications.

[gauthamp10/apple-appstore-apps](#)

Creator of the large public Apple App Store dataset (~1.2M apps) on Kaggle, enabling extensive analysis of app market trends and developer ecosystems with structured metadata.

Android Permission Dataset June 2021
Permission data of 2.2 million android application from Google Playstore.

[gauthamp10/app-permissions-android](#)

Designed and published a large-scale **Android App Permissions dataset on Kaggle** covering **~2.2 million Google Play Store apps**, to extract, categorize, normalize, and validate detailed permission metadata for **security and privacy research**.

Dockerfile Boilerplates May 2020 - June 2020
Dockerfile Boilerplates For All

[gauthamp10/dockerfile-boilerplates](#)

Docker boilerplates / templates for most common programming languages. Like a *Hello World!* but for docker images on GitHub with **233+ stars**

Skills

Core Cloud & DevOps

AWS, Azure, Docker, Terraform, Ansible, GitOps, CI/CD, Kubernetes (EKS AKS)

Cloud Security & Governance

IAM, RBAC, DevSecOps, Wiz.io, Vault, Secrets Management, Compliance

Automation & Programming

Python, Bash, Git, Gitlab CI, Lambda, Functions

Observability & Operations

Prometheus, Grafana, Loki, HA/DR, Cost Optimization, FinOps

Soft Skills

Leadership & Mentorship, Strategic Thinking, Collaboration & Communication, Problem Solving & Decision Making, Change Management

Certifications

AWS Certified Solutions Architect - Associate August 2021
Amazon Web Services

Credential ID: M4X0FGGLE1EE153R

AWS Certified SysOps Administrator - Associate December 2022
Amazon Web Services

Credential ID: 311BPL3CSF14QTGS

AWS Certified Developer - Associate February 2023
Amazon Web Services

Credential ID: T1PSZ99KTNFE10G7

Languages

English

Full Professional Proficiency

Malayalam

Native or Bilingual Proficiency