



# Gautham Prakash

Cloud / DevOps Engineer

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## Profiles

⌚ [gauthamp10](#)

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Kaggle [gauthamp10](#)

## Summary

Cloud & DevOps Engineer with 5+ years of experience across UAE, India and United States, contributing to enterprise cloud transformations, DevOps enablement, and automation initiatives. Proven expertise in designing secure, resilient, and cost-optimized cloud architectures on **AWS, Azure**, implementing CI/CD pipelines, containerization, and cloud governance. AWS Certified in AWS Solutions Architect – Associate, AWS Developer – Associate, and AWS SysOps Administrator – Associate. Experienced in mentoring teams, driving FinOps initiatives, and delivering complex projects across AI, IoT, Cloud and enterprise applications.

## Experience

### Albatha Holding LLC

August 2024 - Present

Dubai, UAE

DevOps Engineer

🔗 <https://www.albatha.com>

- **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 custom solution where native solutions were failing.
- **Website Centralization Initiative:** Consolidated multiple (10) websites, improving deployment speed, reducing vendor lock-in, transparent licensing and optimizing cost for group companies.
- **AI & IoT Infrastructure:** Designed 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:** Managed Azure subscriptions, optimized FinOps reporting, implemented RBAC for Blob storage, and supported workload migrations.
- **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

Cochin, India

Cloud Engineer

🔗 <https://www.cognizant.com/in/en>

- 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 Sensemworks Private

November 2021 - September 2022

Mumbai, India

Cloud / DevOps Engineer

- 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

Developer

🔗 <https://gauthamp10.github.io>

### UBC Business School | HKU Business School | CUHK Business School

- Developed large-scale web data scraping solutions for academic research.

- Built automated pipelines for Yelp, BBB, Google Play, Huawei AppGallery, and Tencent Mobile Store.

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

## Education

### Marian College, Kerala, India

August 2018 - March 2020

Fulltime

Master of Computer Applications

85.32%

🔗 <https://mariancollege.org/>

### St. Berchmans College Autonomous, Kerala, India

July 2015 - March 2018

Fulltime

Bachelor of Computer Applications

89.30%

🔗 <https://sbcollege.ac.in/>

## Projects

### Google Play Store Apps

January 2019 - July 2021

Largest public Google playstore app dataset

🔗 <https://www.kaggle.com/datasets/gauthamp10/google-playstore-apps>

*Creator of the largest public Google Play Store dataset on Kaggle (~2.3M apps), 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.

🔗 <https://www.kaggle.com/datasets/gauthamp10/apple-appstore-apps>

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

### Andoird Permission Dataset

June 2021

Permission data of 2.2 million android application from Google Playstore.

🔗 <https://www.kaggle.com/datasets/gauthamp10/app-permissions-android>

*Designed and published a large-scale Android App Permissions dataset on Kaggle covering ~2.2 million Google Play Store apps, by engineering a custom Python/Scrapy-based web-scraping and manifest-parsing pipeline to extract, categorize, normalize, and validate detailed permission metadata for security and privacy research.*

### Dockerfile Boilerplates

May 2020 - June 2020

Dockerfile Boilerplates For All

🔗 <https://github.com/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

### Technical Skills

AWS, Linux, Kubernetes, Azure, Terraform, Web Scraping, Ansible, IAM, Git, Gitlab, IOT, Docker, IAC, Python, Bash, Vim, CI/CD

### 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

🔗 <https://www.linkedin.com/in/gauthamp10/details/certifications/>

*Credential ID: M4X0FGGLE1EE153R*

#### AWS Certified SysOps Administrator - Associate

December 2022

Amazon Web Services

🔗 <https://www.linkedin.com/in/gauthamp10/details/certifications/>

*Credential ID: 311BPL3CSF14QTGS*

#### AWS Certified Developer - Associate

February 2023

Amazon Web Services

🔗 <https://www.linkedin.com/in/gauthamp10/details/certifications/>

*Credential ID: T1PSZ99KTNFE10G7*

### Languages

#### English

Full Professional Proficiency

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#### Malayalam

Native or Bilingual Proficiency

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