Deepak Sisupalan

Lead DevOps Engineer | deepaksisupal@gmail.com | +44 7404 284411 | London

SKILLS

LANGUAGES

Java	██████░░	10+ yr
Python	█░░░░░░░	1+ yr

PATTERNS, FRAMEWORKS & TOOLS

Proficient:
- Terraform
- Kubernetes
- Spring Core
- Spring Boot
- Microservices
- GitHub Actions
- Restful Web Service

Competent:
- ELK
- Kafka
- Helm 3
- MongoDB
- Concourse CI
- Git & GitHub
- Azure App Services
- Apigee Edge & Microgateway

Advanced Beginner:
- Splunk
- Shell Scripting
- Azure Networking
- Domain Driven Design
- Azure Storage Account
- Azure Active Directory
- Event Driven Architecture

EDUCATION

BTECH IN ELECTRONICS
Mahatma Gandhi University
July 2009 | Kerala, India

LINKS

LinkedIn:// deepak

PROJECTS

TATA CONSULTANCY SERVICES | Lead DevOps Engineer
Oct 2018 - Current

PLATFORM ENGINEERING

- Brightcloud: An E2E Cloud Infrastructure Deployment Orchestrator
  - Provisions a cloud platform with end to end automation
  - High availability, ∞ environments & observability out of box
  - Used a layered deployment of Azure Infrastructure
  - Plugin architecture for external resources
  - GitHub Actions as the Orchestrator & Terraform for IaC
  - MVP developed for Multicloud (Azure + GCP) deployment
  - Greenfield onboarding time reduced to an hour from 1 Month

- Apigee Edge: API Management and Microgateway provisioning
  - Designed the API management architecture
  - Implemented Apigee configuration management using terraform
  - Implemented Apigee Microgateway in k8s for east-west traffic

- Ecosystem Builder: Organization's Access Management
  - Vending machine for apps and people onboarding
  - Streamlined organizational JML process & improved DevXP
  - Greenfield onboarding time reduced to 10 minutes from 2 Weeks

- Muziris: A Developer Portal for the Organization
  - Serves as the UI for Brightcloud & Ecosystem Builder for UI based self-service
  - Forked from Spotify's Backstage
  - Single plane for cataloging and discovery
  - Implemented API discovery and onboarding with a single touch

BACKEND ENGINEERING

- Data as a Service
  - Designed & Developed nearly 50 Restful Microservices deployed in k8s with high availability & reliability
  - Architected Mongo Atlas for high availability
  - Event-Driven architecture using Kafka & MQ
  - Owned and maintained Apache Kafka (deployed on Azure IaaS)
  - Owned and maintained ELK cluster (deployed on AKS)

COGNIZANT | Sr. Java Engineer
Dec 2013 - Oct 2018

JAVA APPLICATION DEVELOPMENT

- Lumpsum: A Restful Monolith for Annuity Money Out
  - Upgraded the monolith to Java 8. Made performance optimizations, added circuit breakers for resilience & did general maintenance.

INFOSYS | Java Engineer
Jan 2010 - Nov 2013

WCS DEVELOPMENT

- Sears Web: Improve Sears Consumer's Online shopping Experience
  - Helped to create a promotion engine. Enhanced Shopping cart, site headers & did general maintenance.