

# Deepak Sisupalan

Lead DevOps Engineer | [deepaksisupal@gmail.com](mailto:deepaksisupal@gmail.com) | +44 7404 284411 | London

## SKILLS

### LANGUAGES

Java	<div><div></div></div>	11+ yr
Python	<div><div></div></div>	1+ yr
Cloud	<div><div></div></div>	4+ 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

- Developed Brightcloud, a cloud infrastructure deployment orchestrator that automates the provisioning of a cloud platform with end-to-end automation.
  - Implemented high availability, infinite environments, and built-in observability using a layered deployment of Azure Infrastructure
  - Utilized a plugin architecture for integrating external resources
  - Utilized GitHub Actions as the orchestrator and Terraform for infrastructure-as-code
  - Developed MVP for multicloud deployment (Azure and GCP)
  - Reduced greenfield onboarding time from one month to just one hour
- Designed the API management architecture for Apigee Edge
  - Implemented Apigee configuration management using Terraform
  - Implemented Apigee Microgateway in Kubernetes for east-west traffic management
  - This project enabled the provisioning of API management and microgateway capabilities.
- Developed Ecosystem Builder, an organization's access management tool
  - Implemented a vending machine system for apps and people onboarding
  - Streamlined the organizational joiner, mover, and leaver (JML) process
  - Improved developer experience (DevXP)
  - Reduced greenfield onboarding time from two weeks to 10 minutes.
- Developed Muziris, a developer portal for the organization
  - Serves as the UI for Brightcloud and Ecosystem Builder for UI-based self-service
  - Forked from Spotify's Backstage
  - Implemented a single plane for cataloguing and discovery
  - Implemented API discovery and onboarding with a single touch

#### BACKEND ENGINEERING

- Data as a Service
  - Designed and developed nearly 50 Restful microservices deployed in Kubernetes with high availability and reliability
  - Architected Mongo Atlas for high availability
  - Implemented an event-driven architecture using Kafka and 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

- Developed and maintained Lumpsum, a Java 8 based, Restful Monolith for Annuity Money Out with performance optimizations, circuit breakers and general maintenance.

### INFOSYS | JAVA ENGINEER

Jan 2010 - Nov 2013

#### WCS DEVELOPMENT

- Implemented a promotion engine, enhanced the shopping cart and site headers, and performed general maintenance to improve online shopping experience for Sears consumers.