

# Kiran Rao

## DevOps Engineer

London, UK  
+447459299114  
kiran.rao.2k@gmail.com

## Introduction

DevOps Engineering professional with 3+ years of experience in DevOps, CI/CD and AWS Cloud ecosystem for Enterprise Applications on RedHat Linux, Unix, CentOS & Ubuntu platforms and having good knowledge on cloud assessment and cloud migration projects.

Previously, for 13+ years worked as Software Developer, Project Lead, Business Analyst, Agile Product Owner on several business critical & complex IT solutions delivering value to Global Enterprise Clients across UK, Europe and US.

## Professional Expertise

- Good experience with Cloud Migration projects.
- Hands on experience in setting-up and managing Virtual Private Cloud (AWS) environment.
- Good understanding of cloud platforms (IaaS, PaaS, SaaS).
- IaC – Building & Configuring high availability IT Infrastructure using Ansible Playbooks.
- Deploying IT applications via Containerization and Orchestration.
- Well-versed with majority of market leading DevOps tools and technologies.
- Creating and managing CI/CD Pipelines (Pipeline As Code)
- Experience in integrating JIRA with Jenkins pipeline to automatically report/log issues.
- Continuous Monitoring of Environments and troubleshooting issues.
- Good understanding of Monolithic & Microservices Architecture.
- Strong experience in all stages of Software Development Life-cycle (SDLC).
- Strong experience with Agile, Waterfall & V-model software delivery methodologies.

## Technical Skills

DevOps Tools :	Git, Maven, Jenkins, Nexus, SonarQube, Ansible, Docker, Docker Swarm, Kubernetes, Splunk, Nagios
AWS Cloud :	EC2, S3, RDS, VPC, Elastic Beanstalk, Route 53, CloudFront, CloudFormation
Programming / Scripting :	GitBash, YAML, JSON, Shell Script, PowerShell, Groovy, HTML, CSS, Java Script
Database :	Dynamo DB, PostgreSQL, MySQL, Oracle
Operating Systems :	RedHat Linux, CentOS, Ubuntu, Windows
Agile Tools :	JIRA, Confluence, SAFe Agile, Scrum, Kanban
Other Tools :	inVision, MS Office, MS-Visio

## Work Experience

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### **DevOps Engineer**

Avan Engineering Services Ltd.

Aug2019 – till date

London UK

E-commerce Retail application with 185 servers spanned on-premise and to be migrated to AWS Cloud in future as per the roadmap.

#### Responsibilities:

- Server provisioning and setup for DEV, QA, UAT and PROD environments, managing patches/ updates on servers.
- Setup and manage Backups / Replications / Archives and DR servers.
- Create Ansible Playbooks for managing Server Configurations.
- Setup and maintain 'Monitoring & Alert systems', troubleshooting and fixing issues to ensure Servers are healthy.
- Work with cross-functional, geographically distributed teams to provide Ops support.
- Support development teams with setting up Environments, Version Control, Build, CI/CD, Deployment automation, Containerization and Virtualisation tools.
- Participate in Sprint ceremonies with Business Owners and SMEs.

### **DevOps Engineer**

CGI Information Systems & Management Consultants Pvt Ltd.

Apr2016 – May2019

Finland, India

Multi technology Retail Insurance applications hosted on 460 servers on-premise. Project's goal was to migrate from On-premise to Cloud (AWS) as project embraced Agile & DevOps practice.

#### Responsibilities:

- Work with cross-functional teams, architects & managers to develop Cloud Migration strategies.
- Work with architects to make POCs for adopting & implementing DevOps practice.
- Provisioning of Hybrid environments [On-premise for 'Dev & Staging' and AWS VPC for 'Pre-prod & PROD'].
- Setup, configure & manage DevOps tools and ecosystem across all environments.
- Create Infrastructures as Code (IaC) using Ansible.
- Write Ansible Playbooks for deployments and environment configurations.
- Create Jenkins CI/CD pipelines via UI and via JenkinsFiles.
- Work with Dockerfiles to deploy application containers.
- Setup and maintain 'Environment Monitoring Tools' Splunk & AWS CloudWatch and troubleshooting issues.
- Setup and maintain application scalability with AWS Auto Scaling Groups.
- Address Incidents raised by the team across environments.

**IT Consultant**

CGI Information Systems &amp; Management Consultants Pvt Ltd.

Oct2004 – Mar2016

UK, NL, US, India

Worked on multiple projects for various global customers in Banking, Insurance, Retail, Oil and Gas segment of business. Performed various roles such as 'Software Developer, Business & System Analyst, Agile Product Owner' as project demanded.

**Responsibilities:**

- Participate and contribute to Agile ceremonies as necessary.
- Work with Agile Product Management team, breakdown Epics into Features and User Stories.
- Manage Product Backlog, Prioritize Stories and work with Agile teams on Sprint planning.
- Create & Review Acceptance Criteria, Test Scenarios, capture Results & produce Report.
- Product Demo to business users, get feedback and record observations, refine backlog.
- Engage with business users to gather, document, review & sign-off requirements.
- Business Requirements, Process Gaps and IT Systems Impact Analysis.
- Work with Development & Test teams ensuring Software Products developed as per Requirements.
- Create Functional & Design specifications.
- Review work products, Test, Bug Fix to ensure quality.
- Implement IT change.

**Software Engineer**

DB Infotech.

Feb2002 – Sep2004

India

Worked on multiple Web development projects based on customers' needs.

**Responsibilities:**

- Create Technical Design specs based on Functional Design specs.
- Develop / Code and Test software components as per the specifications.
- Perform System Integration Test to ensure the quality of the software components.
- Record Test Results and share reports with managers.
- Peer review of software component being developed.

**Education**

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- Bachelors Degree – BS (Electronics), Kuvempu University, Karnataka, INDIA
- Higher Diploma in Software Engineering, APTECH Computers, Karnataka, INDIA
- Certified SAFe Agile Practitioner