## Gagan Kumar

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Mobile: +447464443269

Current Location: West London

Job Type: Contract

**DevOps Engineer**

CSM® (Certified Scrum Master)

<https://www.scrumalliance.org/community/profile/gkumar55>

# Summary

DevOps Engineer from a java development background with 5+ years of experience in DevOps and a Total of 16+ years of IT experience. Good experience in designing, implementing and automating end-to-end Continuous Build, Integration, Delivery, Release and Deployment processes and pipelines. I have worked 4.5 years in USA and 3 months in Germany out of my total experience.

Extensive experience with containerization and DevOps Tools like Docker, Kuberentes, Terraform, and Cloudformation from creating initial Development Pipelines through to Production.

# Key skills and experience

Languages: Java, C, C++, C#

Build Tools Maven, Gradle, Ant

Version Control: Gitlab/GitHub, Subversion

Continuous Integration: Jenkins, Atlassian Bamboo

Container Orchestration Kubernetes, Redhat Openshift

Micro services: Docker

Configuration Management Ansible, Chef, Puppet

Building Infrastructure as Code Terraform, Cloudformation

Testing/Code Quality tools: JMeter, Sonar Qube, Sonar Lint, Selenium, WebDriver, Junit

App/Web Servers: WebLogic, WebSphere, Tomcat, JBoss, Apache

Databases: Oracle, MySQL, MongoDB, Postgres

Virtualization: Amazon AWS, Google Cloud, Microsoft Azure, VMWare

Platforms: Linux and UNIX, iOS, Android, Solaris, Windows, Ubuntu, CentOS

Monitoring Tools: Nagios, Cloudwatch, Splunk, Grafana, Prometheus

Collaboration Tools JIRA Software, Slack,

Scripting: Python, JavaScript/Node.js., Shell scripting, Groovy,

Other Confluence, Eclipse, STS, TOAD, SOAP UI, SDLC (Waterfall), minikube, Json

Proven Experience working on multiple AWS Services (AWS, EC2, S3, Route 53, VPN, VPC, Lambda)

Exposure to AWS Build and migration.

* Designing and implementing Continuous Integration, Continuous Delivery and Continuous Deployment pipelines for a range of projects and environments including Middleware, Database, Front End, iOS and Android
* Automating environment build and provisioning using virtualization, containerization and orchestration tools with Docker, VM Ware, AWS, Kubernetes and Terraform
* Introducing and implementing DevOps solutions for a range of Agile projects, creating automated build, deployment, monitoring, testing and reporting pipelines and solutions

# Career Profile

**Playtech, London, UK**

September 2019 – October 2019 (One month fixed term contract for feasibility study, contract ending mid October)

Role: **DevOps Engineer**

Technology Stack: Docker, Kubernetes, AWS, Jenkins, CI/CD pipeline, GIT

* Feasibility Study
* Study their current system and create a feasibility study for CI/CD pipeline, Docker and Kubernetes implementations.
* Installations of Docker and Kubernetes.
* Setup basic Jenkins CI/CD pipeline to start with.

**Client: Neustar Inc, USA**

**Company: Cybage Software, India.**

September 2018 – September 2019

Role: **DevOps Engineer**

Technology Stack: AWS stack, Chef, Jenkins, VMWare, CI/CD

* Migrating on-prem VMWare ESX hosts and applications to AWS
* Setting up Jenkins and Chef based builds in AWS
* Automating dynamic provisioning of AWS resources using, ECS/EC2
* Developing CI/CD pipelines for build, test and deployment using Groovy.
* Agile project of two weeks sprint.

**Client: Richemont**

**Company: InBetween Software GmBH, India.**

Aug 2017 to September 2018

Role: **DevOps Engineer**

Technology Stack: AWS stack with automated provisioning using Terraform, Troposphere, Lambda, Ansible and Jenkins

* Working with Development and Test teams to create fully automated CI/CD Pipelines using AWS and Jenkins
* Automating and integrating test tools – JMeter, Accessibility and Security Testing tools, Selenium, Cucumber
* Introducing pipeline and automation best practices, putting together an introduction to Docker and Kubernetes on AWS

**Techmahindra Limited** (**Worked 4.5 years in USA and rest of time in India**)

Various roles from November 2006 to Aug 2017

**Client: AT&T USA**

Role: **DevOps Engineer**

Technology Stack: Jenkins, Docker, Kubernetes, Red Hat, Java

* Creating and maintaining containerised and fully automated CI/CD processes for multiple projects
* Using Docker, Jenkins, VMWare, RHEL, Satellite, OpenShift, Kubernetes, Artifactory, Ansible & GitLab
* Developing Docker images and pipelines to support Development and Testing Teams; distributed Jenkins, Selenium and JMeter images, all feeding in to central ElasticSearch, Logstash and Kibana stacks for Logging and Prometheus and Grafana for Monitoring and Alerting
* Working closely with architecture, development, test, security and IT Services teams
* Providing Monitoring, Logging and Alerting services using Elasticsearch and the ELK stack, Prometheus TSDB and Grafana
* Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Maven, Python and Bash
* Setup Nagios from scratch which includes Installation, configurations.
* Create Customizable Reports and Dashboards using Nagios.
* Trained teams how to do monitoring and created detailed documentation on Nagios for their reference.

Role & Project: **Java Developer**

Technology Stack: Java, Solaris 9, J2EE, WebLogic Server 6.1 and 9.2

* Upgrading the Banks WebLogic Server platform and Domains from version 6 to version 9 on Windows and Solaris platforms
* JVM Performance tuning and monitoring on UNIX and Windows; performing load, duration, and stress tests while gathering performance statistics for various memory configurations and garbage collection strategies and advising on appropriate configurations for differently sized UNIX and Windows hosts – completed BEA’s Advanced Administration course
* Porting Korn Shell Scripts and creating new Ant scripts used for server administration and application builds and deployments
* Large scale re-factoring of Mid Tier Java code base for the move from JDK 1.3 to Java 5
* Perl and MS/DOS scripting to create new J2EE desktop deployment functionality enabling desktop builds for developers, allowing rapid feedback on changes and introducing basic Build Automation and Continuous Integration processes

**Previous projects** as a **Java developer** include:

* Development of Web Services and Web Service Clients using combinations of Apache Axis, Java and C#
* Acting as a mentor to new contractors and developers. Some project management and Technical/Team Leading experience
* Senior Developer for a Documentation Project which involved using a combination of XSLT, Java and C to produce and render PostScript files from XML data.
* Design, Development and Unit Testing of Mid Tier Java solutions
* Numerous projects combining Java, SOAP, JSP, ASP, WebLogic, XML/XSLT and Oracle
* Development and design of new Contact Centre applications, using Java and XML/XSLT talking to an Oracle database through JDBC and to an ASP Front Tier via SOAP

**Client: NCR Germany (Worked 3 months in Germany)**

**Company: HCL Technologies, India.**

June 2005 to October 2006

Role: **Java Developer**

* Developing Java Swing Based UI.
* Making JDBC Connectivity and Test.

**Company: Integra Micro Systems, India.**

June 2003 to June 2005

Role: **Java Developer**

* Worked on Core Java, J2EE.

# Education

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| **Degree** | **University** | **Year of Passing** |
| Masters of Computer Applications (MCA) | GGSIP University, Delhi, India | 06/2003 |
| Bachelors of Science BSc(H) | Delhi University, India | 06/1999 |