



# Chandan Kumar

## Profile

Highly skilled DevOps Engineer has exceptional development ability and extensive knowledge of programming in Python. Has excellent analytical and problem-solving skills and a strong ability to work with minimal supervision.

## Employment History

### Senior Cloud Engineer, Thomson Reuters, Bengaluru

DECEMBER 2018 – PRESENT

- Develop services using AWS serverless architecture (Lambda, Step Functions, DynamoDB etc.) to aid on premise apps to migrate to cloud using AWS best practices for security and deployment.
- Deploy resources/applications to AWS using DevOps best practices with CI/CD tools such as GitHub, CodeBuild, CodeDeploy and CodePipeline utilizing IaC with AWS CloudFormation and Terraform.
- Setting up Kubernetes cluster manually from scratch and creating PODs, services, deployment, labels, health checks, Ingress/Egress etc. by using YAML files.
- Provide guidance to application teams on leveraging AWS to ensure highly availability and fault-tolerance.
- Create and consume RESTful APIs using Python programming language.
- Implement centralized monitoring/logging system and automate remediation process for self-healing.
- Participate in outages and troubleshooting process.
- Providing guidance and knowledge transfer to new team members.
- Code in Python language to create AWS Lambda and other internal tools.
- Migrate the existing projects/applications into cloud using cloud native solutions.

### Senior Software Engineer, Amadeus Software India Pvt. Ltd, Bengaluru

JUNE 2018 – DECEMBER 2018

- Develop application code for Python programs.
- Develop, test, implement and maintain application software.
- Identify and suggest various opportunities to improve efficiency and functionality.

### Senior Software Engineer, Philips Healthcare, Bengaluru

DECEMBER 2016 – JUNE 2018

- Collaborate with product owners to understand & gather business requirements.
- Writing effective, scalable and reusable code and performing code review.
- Work closely with the Operations team to fix high priority issues.
- Maintain documents, writing Python unit test cases, code coverage and validating the workflow of application.
- Focus on implementing DevOps engineering for maintaining environments availability, reliability, performance and security.
- Build and maintain infrastructure with Ansible, Python and bash script. Use Jenkins to automate the software releases, debug and fix any build issues.
- Build and monitor the infrastructure using Shinken and ELK stack. Containerise the application using Docker.
- Providing guidance and knowledge transfer to new team members.

## Details

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NATIONALITY

Indian

## Links

<https://thisischandanmishra.github.io>

## Skills

Python

AWS Cloud

Terraform

Kubernetes

Ansible

ServiceNow

RESTful

RabbitMQ

ELK Stack

Jenkins

## Languages

English

Hindi

## **Program Analyst, Cognizant Technology Solutions, Bengaluru**

NOVEMBER 2013 – AUGUST 2016

- Gather Requirements, research, analyze & evaluate, design of application.
- Setting up the development environment which includes Jenkins server, RabbitMQ, GitLab and database.
- Programming in Python to meet system requirements, system designs and technical specifications in accordance with quality accredited standards.
- Maintaining documentation, writing PyUnit test cases, PostgreSQL DDL & DML statements.
- Building the modules to communicate to each other using RabbitMQ & Python.
- Modeling the data using Python for Machine Learning model and validating it.

## **Education**

### **Bachelor of Technology in Information Technology, Biju Patnaik University of Technology, Bhubaneswar**

AUGUST 2009 – JULY 2013

First class honours(7.76 CGPA)

## **Certificates**

### **AWS Certified Solutions Architect – Associate**

SEPTEMBER 2020

### **AWS Certified Developer – Associate**

SEPTEMBER 2020

### **AWS Certified SysOps – Associate**

SEPTEMBER 2020

### **Terraform Associate**

DECEMBER 2020

## **Achievement**

- StackOverflow active contributor.
- PyPi open source contributor.
- Top employee performer in Cognizant Technology Solutions and Philips Healthcare.