



Chandan Kumar

Senior Cloud DevOps Engineer

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.

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📍 Bengaluru, India

📅 02 January, 1990

🔗 thisischandanmishra.github.io/

SKILLS

Amazon Web Services



Python



Terraform



Jenkins



Docker



Kubernetes



RabbitMQ



Git



Nagios



Linux



Ansible



ELK



EDUCATION

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

08/2009 - 07/2013

First class honors (7.76 CGPA)

WORK EXPERIENCE

Senior Cloud DevOps Engineer

Autodesk

06/2021 - Present

Bengaluru, India

Roles & Responsibilities

- ◇ Cost optimisation and follow security best practices along with automating manual processes.
- ◇ Ensuring availability, performance, security, and scalability of production systems.
- ◇ Strive for continuous improvement and build continuous integration, continuous development, and constant deployment pipeline using AWS services.
- ◇ Providing recommendations for architecture and process improvements.
- ◇ Automate manual processes using Python or Powershell.
- ◇ Help other teams in developing their solution considering DevOps and security best practices.
- ◇ Develop self healing solutions and participate in troubleshooting and outages.

Senior Cloud Engineer

Thomson Reuters

12/2018 - 06/2021

Bengaluru, India

Roles & Responsibilities

- ◇ Develop services using AWS serverless architecture to aid on premise apps to migrate to cloud using AWS best practices.
- ◇ 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.
- ◇ Implement centralized monitoring/logging system and automate remediation process for self-healing.
- ◇ Participate in outages and troubleshooting process.
- ◇ Migrate the existing projects/applications into cloud using cloud native solutions.

Senior Software Engineer

Amadeus Software India Pvt. Ltd

06/2018 - 12/2018

Bengaluru, India

Roles & Responsibilities

- ◇ Develop application code using Python language.
- ◇ Develop, test, implement and maintain application software.
- ◇ Create and consume RESTful APIs using Python programming language.
- ◇ Identify and suggest various opportunities to improve efficiency and functionality.

LANGUAGES

English



Hindi



WORK EXPERIENCE

Senior Software Engineer Philips Healthcare

12/2016 - 06/2018

Bengaluru, India

Roles & Responsibilities

- ◇ 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.

Program Analyst Cognizant Technology Solutions

11/2013 - 08/2016

Bengaluru, India

Roles & Responsibilities

- ◇ 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.

CERTIFICATES

AWS Certified DevOps Engineer - Professional (07/2022)

AWS Certified Solutions Architect – Associate (09/2020)

Terraform Associate (12/2020)

ACHIEVEMENTS

StackOverflow active contributor.

PyPi open source contributor.

Saved \$4,000 per month AWS Cloud bills.

Awarded for creating automated pipeline for Terraform deployment using Jenkins.

Awarded for designing & developing analytics pipeline in AWS.

Awarded for rearchitected cloud-tool in Kubernetes.

Awarded for developing pipeline to periodically scan all Windows servers for CVE vulnerabilities.

Awarded for creating pipeline to create custom AMI which cuts down bootup process from 30 minutes to 4 minutes.