

Chandan Kumar

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AREA OF EXPERTISE

Container Management: Kubernetes, Docker, AWS ECR, AWS EKS

Back End Development: Python, Flask, Data Structures and Algorithms

CI/CD: Jenkins, AWS CodePipeline, AWS CodeDeploy, AWS CodeCommit, AWS CodeBuild, ArgoCD, GitLab CI/CD

Infrastructure as Code: AWS CloudFormation, Terraform, Crossplane

Observability & Monitoring: AWS CloudWatch, Prometheus, Grafana, Nagios, Thruk

Security: Prisma Scan, Microsoft Defender

Source control: GitHub, GitLab, BitBucket

Miscellaneous: RabbitMQ, PostgreSQL, AWS RDS, Helm Chart, Amazon Web Services, RESTful, ServiceNow

CERTIFICATION

Certified Kubernetes Application Developer (CKAD) | June, 2024

AWS Certified DevOps Engineer - Professional | May, 2023

HashiCorp Certified: Terraform Associate | May, 2023

AWS Certified Solutions Architect - Associate | September, 2020

EXPERIENCE

Lead Engineer - DevOps

Bengaluru

Dish Network Technologies | Python, AWS, Kubernetes, Docker, ArgoCD, Terraform, Crossplane, Prometheus, Grafana, Velero, Helm Charts, ServiceNow

06/2023 - Present

- Ideated, designed and developed a new GitOps framework to onboard & migrate 20+ vendors.
- Upgraded 600+ EKS cluster with zero downtime.
- Facilitated technical architecture discussions with multidisciplinary teams.
- Implemented Disaster Recovery, High Availability and Horizontal Pod Autoscaling to improve system reliability.
- Created Log monitoring, Grafana Dashboard and alerts for L1 Team.
- Leading, mentoring, guiding and strengthening a team of 16+ members.

Senior Cloud DevOps Engineer

Bengaluru

Autodesk India Pvt. Ltd | AWS, Jenkins, Python, Terraform, Ansible, Docker, Kubernetes, ServiceNow

06/2021 - 06/2023

- Built a Data Pipeline to visualize 10 TB+ of Data for DataOps team. It helped in cleaning up S3 and cost saving.
- Designed, developed End to End CI/CD pipeline. This reduced deployment time from 6 hours to 10 minutes.
- Did Cost Optimization on AWS RDS, EC2, EBS, EKS, S3. It helped in saving recurring 4000 USD.
- Built solution to onboard Microsoft Defender on 20k+ VMs to check security vulnerabilities and make it security compliant.
- Worked with Cross team on building solutions to calculate DORA metrics and integrate with Global Dashboard.
- Leading, mentoring, guiding and strengthening a team of 10+ members.

Senior Cloud Engineer (DevOps)

Bengaluru

Thomson Reuters | AWS, Python, ServiceNow, Terraform, Docker, Kubernetes

12/2018 - 06/2021

- Designed and developed automated pipelines to bootstrap the AWS accounts with services which aided in enforcing central monitoring and logging systems.
- Built APIs for central dashboard to gaze through any AWS resource.
- Developed automated workflows in ServiceNow to offer self-service.
- Developed Pipeline to complete Day -1 and Day 0 activities.
- Designed and Developed AWS Autotagger. It helped in identifying orphan resources and cost optimization.

EXPERIENCE

Senior Software Engineer

Bengaluru

Amadeus Labs | AWS, Python

06/2018 - 12/2018

- Create and consume RESTful APIs using Python programming language.
- Develop, test, implement and maintain application software.

Senior Software Engineer (DevOps)

Bengaluru

Philips Healthcare | AWS, Python, Docker, Nagios, Thruk, BitBucket, Ansible, RabbitMQ

12/2016 - 06/2018

- Designed, developed and integrated RabbitMQ with IDM Monitoring.
- Maintain documents, writing Python unit test cases, code coverage and validating the workflow of application. Build RESTful APIs using Flask.
- Collaborated with product owners to understand & gather business requirements.
- Used Jenkins to automate the software releases, debug and fix any build issues.

Program Analyst (Python Developer)

Bengaluru

Cognizant Technology Solutions | Python, AWS, PostgreSQL, RabbitMQ, Data modeling

11/2013 - 08/2016

- Developed in Python, aligning with quality accredited standards and meeting technical specifications.
- Building modules to communicate to each other using RabbitMQ & Python.
- Gather Requirements, research, analyze & evaluate, design of application.
- Data modeling using Python for Machine Learning model and validating it.

EDUCATION

Biju Patnaik University of Technology, Bhubaneswar, India

Bachelor of Technology in Information Technology | GPA: 7.76/10

2009 - 2013

INTERESTS

Fitness, Food, Bookworm