CHANDAN KUMAR

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Area of Expertise

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

Miscellaneous: RabbitMQ · PostgreSQL · AWS RDS · Helm Chart · Amazon Web Services · RESTFul · ServiceNow

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

Infrastructure as Code: AWS CloudFormation · Terraform · Crossplane

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

Source control: GitHub · GitLab · BitBucket

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

Security: Prisma Scan · Microsoft Defender

Experience

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

Lead Engineer - DevOps 06/2023 - Present

- Ideated, designed and developed a new GitOps framework to onboard & migrate 300+ ISVs.
- 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.

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

Senior Cloud DevOps Engineer 06/2021 - 06/2023

- Built a Data Pipeline to visualize 10TB+ 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.
- Leading, mentoring, guiding and strengthening a team of 10 members.

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

Senior Cloud Engineer (DevOps) 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.

Amadeus Labs | AWS, Python
Bengaluru

Senior Software Engineer (DevOps) 06/2018 - 12/2018

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

Experience

Philips Healthcare | AWS, Python, Docker, Nagios, Thruk, BitBucket, Ansible, RabbitMQ Bengaluru
Senior Software Engineer (DevOps)   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.

Cognizant Technology Solutions | Python, AWS, PostgreSQL, RabbitMQ, Data modeling Bengaluru
Program Analyst (Python Developer)   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.

Certification

Certified Kubernetes Application Developer (CKAD) | Apr, 2024

AWS Certified DevOps Engineer - Professional | May, 2023

AWS Certified Solutions Architect – Associate | Sep, 2020

HashiCorp Certified: Terraform Associate | May, 2023

Education

Bachelor of Technology in Information Technology | GPA: 7.76/10
Biju Patnaik University of Technology, Bhubaneswar, India   2009 - 2013

Interests

◈ Fitness, Food, Bookworm