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Top Skills

Continuous Integration and
Continuous Delivery (CI/CD)
Software Development
Cloud-Native Architecture

Languages

bengali
Hindi
English

Certifications

Python Advanced
Learning AWS CloudFormation
Building RESTful APIs with Flask
Maintaining , monitoring and
troubleshooting
Kubernetes

Honors-Awards

ABOVE & BEYOND
Above & Beyond

SK RAJIBUL HUDA

Associate at AQR Capital Management | Ex- Cisco | Ex- IBM
Bengaluru, Karnataka, India

Summary

As a Senior Software Engineer, I specialize in development, automation, infrastructure planning, and integration, with a strong focus on building secure software. I have extensive experience delivering high-quality data pipelines on the Cisco Data Lake Platform and understand the importance of working in a DevOps fashion.

I am always looking for the latest open-source tools to create greater efficiency and am a strong believer in automation. I have experience designing and developing various applications to meet different business requirements, delivering them to production in just one and a half years.

In my previous role, I was responsible for architecture, designing, implementing, and supporting cloud-based infrastructure and solutions. My experience includes extensive knowledge of serverless frameworks using Golang and Python and best practices with Golang and Python.

I have developed Images and lambdas to run in AWS Fargate and have experience creating and maintaining jobs in CI/CD environments using AWS resources. I have also worked on Terraform and CloudFormation templates to automate the creation, destruction, and updates to AWS resources used in the project.

I am responsible for architecting, designing, implementing, and supporting cloud-based infrastructure and solutions, with experience in data ingestion, data processing, and strong knowledge of the architecture of distributed systems and parallel processing.

I have implemented AWS Step Functions to automate and orchestrate data lake ingestion and processing tasks, such as ingesting data to S3 and incremental upload using AWS Glue. I am currently working as a backend developer to create lambda and

microservices to consume data from multiple enterprise applications using S3, SQS, Kinesis, Kafka, and Snowflake.

With my strong skillset and experience in software engineering, I am confident in my ability to bring value to any organization seeking to build secure and efficient software solutions.

Experience

AQR Capital Management

Software Engineer|AWS, Python, Golang, IaC, Infra Design & Automate, DevOps, Containers

May 2023 - Present (10 months)

Bengaluru, Karnataka, India

Cisco

3 years 7 months

Software Engineer|Python, Golang ,AWS Serverless,IaC,datalake

October 2021 - May 2023 (1 year 8 months)

Bangalore Urban, Karnataka, India

As a Software Engineer at Cisco, I was responsible for performing Data Ingestion and Data Processing on the Cisco Data lake project. My key responsibilities included handling the ingestion of data from different data sources such as S3, API-ingestion, Snowflake, and Kafka. I used my expertise in Golang, Python, Bash, AWS, Serverless, Infrastructure as Code (IaC), and CI/CD to complete my tasks.

I implemented AWS Step Functions to automate the ingestion and processing of related tasks such as ingesting data, publishing data to S3, and processing data using ECS Fargate and Lambda. I played a critical role in ensuring that the project was delivered on time and within the allocated budget.

In addition to my core responsibilities, I was involved in architecting, designing, implementing, and supporting cloud-based infrastructure and solutions. I also had extensive knowledge of serverless frameworks and best practices with Golang and Python. I always stayed ahead of the newest open-source tools that could be implemented to create efficiency and understand that many processes can be automated.

I had a strong understanding of DevOps and created and maintained jobs in CI/CD environments using AWS resources. I had experience in Terraform and CloudFormation templates to automate the creation, destruction, and updates to AWS resources used in the project.

Throughout my time at Cisco, I leveraged my experience in event-driven and scheduled AWS Lambda functions to trigger various AWS resources. I was able to effectively perform Data Ingestion, Data Processing (Transformations, Enrichment, and aggregation), and support cloud-based infrastructure and solutions.

Sr. DevOps Engineer|Kubernetes,docker,jenkins,python,shell script,linux

November 2019 - October 2021 (2 years)

Bengaluru Area, India

As a Sr. DevOps Engineer, my primary responsibility was to deal with automation, infrastructure planning, integrations, and building secure software from scratch. I developed a RESTful service using the Python Flask framework and created an entire frontend API and backend modules using Python on the Flask framework for microservices. Additionally, I had hands-on experience designing automation workflows that were initiated manually with Python scripts and Unix shell scripting.

I also developed a microservice to communicate with AWS IoT core using Python on Flask, IoT SDK, boto3, and other frameworks. I created Docker images and helm charts for microservices to orchestrate applications using Kubernetes. In terms of Bash scripting, I developed automation solutions leveraging shell scripts to increase operational efficiency. I also worked on designing, implementing, and maintaining build activity, CI/CD Linux GUI programs (DIALOG), and Jenkins build jobs.

Furthermore, I have experience in Kubernetes application deployment, administration, and hardening using tools such as Kubeadm, K3s, Kubespray, Microk8s, Rancher, and Helm. I also have experience in automation and CI/CD, working with Ansible, Jenkins, Git, Bitbucket, Terraform, Docker, and Containerd.

Finally, I have extensive experience managing platforms on both AWS and VMware, as well as in Linux administration and platform hardening.

IBM

System Management Specialist

December 2016 - October 2019 (2 years 11 months)

bangalore

As a System Management Specialist, I specialize in Kubernetes-based platform design, infrastructure implementation automation, and deployment. My proficiency lies in Kubernetes, Docker, Linux, Git, Nagios, load balancing, AWS, Helm, and Ansible.

In terms of containerization and virtualization, I have implemented a production-ready, load-balanced, and highly available Kubernetes infrastructure. I am experienced in writing manifest files using YAML and managing configuration objects. I am also skilled in observability and designing pod readiness and liveness probes, container logging, monitoring and debugging applications, labels, selectors, annotations, rolling updates, rollbacks, and creating dynamic routing/load balancing capability enabling large application scaling. I have used ingress rules and Ingress Controllers such as Nginx and MetalLB. Additionally, I am experienced in cluster maintenance, backup and recovery (ETCD), patching, security, persistent storage, security (authentication & authorization), networking, and troubleshooting.

My experience in Linux and AWS administration includes providing operations and maintenance support for AWS cloud resources such as launching, maintaining, and troubleshooting EC2 instances, S3 buckets, Virtual Private Clouds (VPC), Elastic Load Balancers (ELB), Relational Database Services (RDS), Backups, Route53, CloudWatch, and IAM. I am also skilled in user management & administration and file system management, including managing partitions, file systems, and LVM, extending/reducing the size of a logical volume, and configuring servers with Nagios XI and CloudWatch monitoring to monitor the performance metrics of production servers. Additionally, I possess excellent skills in analyzing, designing, implementing, and system integration. I am an expert in configuring, installing, and managing web hosting servers and SSL.

Education

birbhum institution of engineering and technology

Bachelor's Degree, Information Technology · (2012 - 2016)

burdwan c.m.s high school

High School, General Studies · (1999 - 2010)