SHRUTI SINGH

Senior Engineer – Cloud/DevOps

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TECHNICAL SKILLS

AWS Cloud, Docker, Kubernetes, DevOps Pipelines (Maven, Jenkins, Git, Sonarqube, Jfrog,Bitbucket), GCP, Shell Scripting, Java, JSON

ADDITIONAL SKILLS

Business level Client Interactions, Strong Oratory Skills, Strong Presentation and Articulation Skills.

ACHEIVEMENTS

- Outstanding Performer for the year 2018-2019
- One MasterMind, two "Hats-off", one "Unstoppable" and two "A-Team" Spot on awards

CAREER OBJECTIVE

Efficient professional with 3+ years of experience and a proven knowledge of AWS cloud, DevOps and architecting. Aiming to leverage my skills and opportunities to grow professionally.

WORK EXPERIENCE

Mindtree Ltd.
(Jan 2017 – Present)

- Worked on setting up 10+ repos in Bitbucket (Atlassian product) for an application based on server less 3 tier architecture. Process API are deployed in AWS Fargate using Docker and AWS ECR. UI uses S3 as static web host with Cloudfront.
- Worked on logging system setup with AWS ES, Opensource ES, Logstash, Cloudwatch, Kibana.
- Single handedly set up various pipelines using Git (gitlabs/ GitHub), Jenkins (Manual, groovy scripting & shared library), Sonarqube, Jfrog, Docker, Docker-Compose, Kubernetes and Terraform.
- Setting up Virtual private network with EC2, RDS, queuing and email service with a channeled communication enabled between company VPC and Client VPC using AWS VPC peering. Also secure transfer to S3 was provided to migrate client data.
- Worked on providing the GCP Cloud services capabilities such as compute, storage, database, network, Big Data, AI and IOT and providing the weightage based on other cloud vendors.
- Managed a team of 20+ campus fresher's as a lead at Mindtree's learning campus to train on Java basics, advance Java, Cloud computing basics and AWS Cloud.
- Worked under seniors architected to provide architectures, cost and effort estimations. Good with requirement analysis and solution driven thinking.
- Have also contributed for the companies AWS competency achievements, training programs and organization development activities.

EDUCATION QUALIFICATION

- B.Tech in Computer Science & Engineering from Geethanjali College of Engineering & technology, Hyderabad.
- Intermediate from Narayana Tarnaka, Hyderabad.
- Schooling from Bhavans Sri Ramakrishna Vidyalaya, Sainikpuri, Hyderabad.

Detailed Work Experience

Duration: Sept 2019 - Present

Technologies: Bitbucket, AWS S3, AWS Fargate, AWS networking, AWS computing, AWS ES, AWS Cloudwatch, Sonar, Angular, NodeJS.

Project Abstract: USA based real estate company shifting from B2B to B2C model needed an new web based application for customers. The application is based on angular, nodejs with CI/CD on agile framework.

Role/Responsibilities:

- On a direct client facing role.
- Single-handedly set up deployment pipeline for 10+ repositories (API+UI) on bitbucket.
- Set up the logging for all environments using AWS ES, Logstash and Kibana for visualisation.
- UI was hosted in AWS S3 and API in AWS Fargate.
- The pipeline included bitbucket for version control and integration, Sonar for code coverage, Jest for end to end test, Jasmine for UI test, AWS for deployment in 5 envs (Dev, test, staging, prod and Demo).

Duration: April 2018 - July 2019

Technologies: Git, Jenkins, AWS EKS, Kubernetes, Google Kuberbernetes, Docker, Docker Compose, Jfrog, Sonar, Terraform.

Project Abstract: America's largest Medical colleges needed to shift their entire application to Cloud. There were more than 120 application to be analysed for cloud readiness and few to be developed from scratch.

Role/Responsibilities:

- Made a shift from AWS Cloud to DevOps technologies
- Ability to understand and delivery an End to End DevOps Pipeline.
- Was part of the architecture analysis of the project to migrate 120+ applications on cloud.
- Single-handedly set up various pipelines using Git (gitlabs/ GitHub), Jenkins (Manual, groovy scripting & shared library), Sonarqube, Jfrog, Docker, Docker-Compose, Kubernetes and Terraform.

Duration: Feb 2018 – April 2018

Technologies: Java, AWS

Project Abstract: Was sent to Mindtree's learning campus as a lead to train the new campus selected batch on Java basics, advance Java, Cloud computing basics and AWS Cloud.

Role/Responsibilities:

- Managed a team of 20+ campus fresher's.
- Ability to explain and deliver the technology expertise.
- Understanding individual behaviour and maintain a strong team bonding.

Duration: Jan 2018 – Feb 2018

Technologies: AWS Networking, AWS Storage, AWS SNS, AWS Computing.

Project Abstract: Setting up Mindtree's virtual private network with EC2 set-up and relational database configured. Enable a channeled communication between Mindtree's VPC and Client VPC using AWS VPC peering. Queuing and Email service also has been provided as a part of the infrastructure. Also secure transfer to S3 was provided to migrate client data.

Role/Responsibilities:

- Single-handedly managed the project.
- Understanding the client network.
- Providing the deliverables on time.

Duration: Dec 2017 – Jan 2018

Technologies: AWS and Riverbed Steel Head connection

Project Abstract: An Australian Client needed a working POC of installing and utilizing Riverbed product in AWS. SteelHead offers industry leading secure optimization of all applications, across hybrid networks to users everywhere so you can leverage global resources.

Role/Responsibilities:

- Understanding the Riverbed products.
- Making the cost estimations for the utilization.
- Understanding how to integrate the software with the client's current architecture.

Duration: October 2017 – Dec 2017

Technologies: GCP Cloud services

Project Abstract: To win a proposal, Mindtree was performing an comparison between AWS, Azure, GCP, Salesforce and IBM Cloud. This comparison later became the cloud guide for all Proposals. I worked on the GCP details.

Role/Responsibilities:

- Updating pricing for compute, storage, database and network cloud services
- Understanding the cloud feasibility and preparation of GCP Cloud Architecture document
- Providing the GCP Cloud services capabilities such as compute, storage, database, network, Big Data, AI and IOT and providing the weightage based on other cloud vendors

Duration: May 2017 – Oct 2017

Technologies: AWS, Java, HTML, Bootstrap, MYSQL.

Role/Responsibilities: In-house projects and POC under senior guidance.

Duration: Jan 2017 – April 2017

Mindtree training in AWS and Java.