Mourya Sai Charan Reddy Kypa

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# EDUCATION \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Texas Tech University,** United States Aug 2022 – May 2024

*Master’s in Computer Science* **GPA: 3.75**

**Sathyabama Institute of Science and Technology,** IndiaJuly 2016 - May 2020

*Bachelor’s in Computer Science and Engineering* **CGPA: 9.26**

# TECHNICAL SKILLS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* **Programming :** Python, Java, C Programming, Data Structures and Algorithms (Concepts)
* **DevOps tools :** Docker, Kubernetes, Ansible, Terraform, Jenkins CICD, Chef, Puppet
* **Cloud Services : AWS** - *EC2, S3, IAM, ELB, CodePipeline, CloudFormation, ECR, CloudWatch*, **Azure** Fundamentals
* **Database :** Structured Query Language (SQL)
* **QA Tools :** Selenium, Cucumber BDD framework, Karate, TestNG, JUnit, Maven, Gradle
* **Methodologies :** Agile - Scrum, Kanban, XP (Extreme Programming), Waterfall model
* **Monitoring Tools :** Prometheus, Kibana, Grafana
* **Operating systems :** Microsoft Windows, iOS, Linux (Shell/Bash scripting)
* **Tools :** Nexus, JFrog Artifactory, Git, GitHub, Jira, Slack, Intellij, Eclipse, VSCode, Word, Excel, Powerpoint
* **Certifications :** AWS Certified Cloud Practitioner ( [Badge](https://www.credly.com/badges/ad6aa7fb-d635-44c3-91c8-d1afa55042ee/public_url) ), NPTEL (Python, C, C++)

# WORK EXPERIENCE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Informatica Business Solutions Pvt Ltd.**,** Bangalore, India

Software EngineerApril 2021 – July 2022

* Collaborated with cross-functional teams to implement a **CI/CD** pipeline using Jenkins, **Git**, and AWS CloudFormation, facilitating testing, integration, and continuous deployment, reducing manual errors by over 80%.
* Worked on **Ansible** playbooks to launch **EC2** instances on AWS using YAML scripting.
* Automated testing in Informatica Intelligent Cloud Services (IICS) using **Selenium**, resulting in a substantial reduction in testing and deployment time.
* Utilized **Prometheus** & **Kibana** for application performance monitoring, reducing incident response time by 40%.
* Managed critical AWS services, including EC2 instances and **Data Pipelines**, for four microservices.
* Possess in-depth knowledge in **Azure** cloud infrastructure and services, covering Virtual Machines, Storage, Networking, and Security.

Associate Software EngineerAugust 2020 – March 2021

* Assisted in the implementation of Infrastructure as Code (IaC) using **Terraform** to provision and manage the AWS resources, reducing deployment time by 50%.
* Supported **Agile/Scrum** methodologies, participating in daily stand-ups, sprint planning, and retrospectives, fostering effective communication and iterative development within the team.
* Leveraged industry-standard tools like **Postman** and **Swagger** to comprehensively test APIs, consistently resolving a high percentage of encountered issues.
* Designed and implemented an end-to-end **CICD pipeline** with Jenkins, **Argo CD**, and Ansible for system management and automation.

Software Engineer, InternJanuary 2020 – July 2020

* Assisted in setting up local development environments with **Docker** and managed application deployments on **Kubernetes** clusters using **Helm** charts and kubectl commands.
* Implemented multiple conditional-based shell scripts within **Jenkins** to proactively track various activities, including process errors, and module-based application health checks, as part of the CI/CD pipeline.
* Engaged in rigorous code reviews and efficiently resolved bugs using **Git** and **GitHub**, promoting code quality and collaborative development excellence.

# PROJECTS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Deployed a Containerized web application on Amazon EKS September 2023**

Utilized Jenkins for seamless CI/CD, Maven for efficient builds, and Git for version control to package and deploy a web application using a Docker container image. This ensured high availability on Amazon EKS by managing replicas and automating pod recovery.

# Implemented CI/CD Pipeline for simple web application February 2022

Developed a streamlined CI/CD pipeline using Jenkins and Docker to efficiently build and deploy a web application on Tomcat Server, enhancing development processes.

# Skills Recommender October 2021

Utilized Python's Beautiful Soup module to perform web scraping of trending IT job skills from 2 websites for informed career decisions.