VINAYAKA S GADAG

⚲ Bloomington, Indiana ✉ vinayaksgadag@gmail.com ▢ 8123690673 ▣ https://www.linkedin.com/in/vinayaka-gadag/ ☁ https://github.com/vinayakasg18

EDUCATION

Master of Science, Computer Science
Indiana University · Bloomington, Indiana · 2022 · 3.9

Bachelor of Engineering, Computer Science
Visweswariah Technological University · Belgaum, India · 2015 · 3.0

EXPERIENCE

Associate Instructor
Indiana University   **May 2021 - Present, Bloomington, Indiana, USA**
· Associate instructor for the course SQL/NoSQL with a total strength of 62 students.
· Conducted several workshops with the attendance of 20 students to teach the SQL/NoSQL topics.
· Wrote example Jupyter notebooks to demonstrate the use-cases and examples of how to integrate SQL Server with Python and using lightweight databases like sqlite3 python library.

DevOps Consultant
Deloitte USI   **September 2018 - December 2020, Bengaluru, India**
· Implemented the DevOps principles across the firm to achieve the end-to-end automation of the deployment using CI/CD tools like Concourse, Git, Docker, and Kubernetes.
· Implemented the Helm charts using Kubernetes Helm packing manager to streamline the installation and managing of the Kubernetes applications.
· Lead a team of four in US-India to develop and implement the DevOps principles.

Associate Software Engineer
Deloitte USI   **October 2015 - August 2018, Bengaluru, India**
· Designed and implemented the big data analytics features for the Deloitte Advanced Analytical Platform to achieve the fast processing of data manipulation using analytics engine apache spark.
· Wrote a step-by-step run-book to support the deployment of the application to the cloud platform. This helped the cloud-ops to deploy the application with ease.
· Implemented and integrated the Alluxio data orchestration with the application to solve the spark's in-memory issue.

Software Trainee QA Engineer
Pole To Win International   **November 2014 - August 2015, Bengaluru, India**
· As a QA engineer, performed manual and automation testing on most trending games developed by client Zynga.
· Wrote test cases for the game 'FarmVille' to test the quality of the builds.
· Reported bugs and security issues using Jira to the development team in quick bug fixes.

PROJECTS

Deloitte Advanced Analytical Platform
Deloitte USI · September 2018
· Developed and implemented the features to clean and tune the data using Apache spark API, REST APIs and Spring Boot framework.
· Completed a POC on Alluxio to implement and integrate with the current setup of the project.
· Created a standalone Apache Spark and Hadoop clusters for the project prototype.
· Created a deployment stack for the project using YAML and Ansible.
· Automated the deployment of the application using Docker, Kubernetes, Helm charts, and CI/CD tools(concourse).

DevOps Engineer
Deloitte USI · December 2020
· Developed and Implemented the DevOps principles across different projects.
· Automated deployment using Kubernetes and Helm Charts.
· Implemented DevOps tools using Concourse, Git, Docker, Artifactory and mako template language.
· Automated deployment for AWS lambda function using concourse and AWS SAM.

CERTIFICATIONS

AWS Certified Developer - Associate
Amazon Web Services · 2020
Certification have a comprehensive understanding of application life-cycle management and proficiency in writing applications with AWS service APIs, AWS CLI, and SDKs; using containers; and deploying with a CI/CD pipeline.

SKILLS

Languages and scripting: Python, Java, JavaScript, HTML, CSS, Bash scripting.

Cloud system and frameworks: Kubernetes, Helm, Docker, AWS, React, Apache Spark, Apache Hadoop, Spring Boot

Databases: MySQL, NoSQL(MongoDB, Neo4J)