NIRANJAN H

Senior Software Engineer

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SUMMARY

I am a highly motivated and dedicated IT Professional with good DevOps and cloud experience. I possess exceptional communication and interpersonal skills with a proven ability to work independently and as part of a team. I thrive in fast-paced environments and enjoy collaborating with cross-functional teams. I am eager to apply my talents and help achieve its strategic objectives.

EDUCATION

Dayananda Sagar Academy Of Technology and Management, Bengaluru   **2017-2021**

Bachelor's Degree in Information Science
CGPA- 8.92

Jain College, Bengaluru   **2015-2017**

Secondary Education
Percentage - 94%

Carmel School, Bengaluru   **2014-2015**

Xth ICSE
Percentage - 84.33%

WORK EXPERIENCE

Senior Software Engineer LTIMindtree - Bengaluru   **2021 - Present**
Team: Chevron- LabApps Application

Chevron is an Oil & Gas-based industry who are into Energy, Oil extraction, Rock extraction, fluid extraction so on and so forth. They have many Legacy apps that maintain the sanctity of their process right from collecting the samples, to processing them and shipping them to their in-house archives.
So by being part of this Agile team my roles and responsibilities include:

- Enhancements of Legacy application which involves gathering requirements from Stakeholders, planning and executing the tasks assigned to us.
- Worked independently on the Dockerisation of one of the API applications as part of the modernization effort, thereby streamlining the microservice and reducing the setup and testing time of API by 50%.
- By being part of the updating and maintenance group of Azure pipelines using Ansible for the Lab Apps applications, I was able to update the pipeline workflow to accommodate quality testing and dockerization of labapps.
- Continuously monitoring the technical debts and clearing them as part of compliance activity using Sonar Qube and GitHub Advanced Security.
- Updation of Python scripts for LabVantage supported applications.
- Provide Rapid access support by adding users to the required groups.
- Played a part in the creation of a systematic workflow for the CoreStorage team using LabVantage application which involves creating webpages for users to interact.
- Performing User acceptance testing after completion of every user story/feature.
- A key presenter for System demos that happen every quarter.

Tools used: ADO(Azure DevOps), Docker, Dotnet Core, MVC, WebAPI, Python, Azure, Ansible, SonarQube, Git, Azure Repos, Azure pipelines, LabVantage.

PROJECTS

AWS Projects/experiments

EC2 cost optimization - Created a lambda function that will check the EBS volumes that are not connected to the EC2 instance. If it is not connected then it will delete them. Also if the volumes and instances are deleted then the EBS snapshot will also get deleted by running the script.
Services used: AWS Lambda, IAM, EC2 instances.

CICD pipeline setup: Created a CICD pipeline using AWS CodePipeline that fetches the code pushed to GitHub and creates a docker image for the small Python app. Later the docker image is deployed on the EC2 instance that we could access.
Services used: IAM, EC2 instances, Code Pipeline, CodeBuild, Code Deploy.
Tech used: Python, Docker.

Banking Website

Members: 4, Year: 2021
It is an end-to-end website that provides all the basic yet important capabilities to customers such as creating their account, getting a virtual passbook, to transferring/receiving funds to/from any registered accounts.
- Took care of creation and setting up the API using dotnet Core MVC and WebAPI.
- Handled the creation of a database for data persistence.
Tech stack: Dotnet core MVC, Dotnet core WebAPI, SQL Server, Angular.

Smart Home Automation
Final Year Project

Members: 4, Year: 2020-2021
It is an IOT-based project that allows users to control various compatible appliances using the Andriod app developed by our team. The automation system had features like weather forecast monitoring, smoke detection, theft detection and self-regulated appliances.
- Worked on integration of various components such as custom IOT board, smoke sensors so on and so forth.
- Worked on setting up the Firebase cloud for authentication, persistent data storage and data monitoring.
- Worked on Arduino IDE to integrate the IOT board with Firebase database.
Tech stack: Custom IOT board and sensors, Firebase, Andriod(Java), Arduino

SKILLS

- **Cloud** : AWS, Azure
- **Tools** : Git, GitHub, AzureRepos, Shell Scripting, Docker, Kubernetes, Ansible
- **DotNet** : DotNet Core, Dotnet Core MVC, DotNet Core Web API
- **Database**:: Sql Server
- **Languages**: C#, Python, Java

CERTIFICATIONS

- AWS Cloud Practioner: Link
- AWS Solutions Architect Associate: Link