

Dhivya Vijayakumar

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PROFILE

AWS - LAMBDA,S3,EC2,IAM,CLOUD WATCH ,RDS || PYTHON - FLASK,RESTAPI,UNITTEST CASES ,WEB APPLICATION|| SQL || GITLAB || TERRAFORM || DOCKER || API || CICD ||

WORK EXPERIENCE

Staff engineer Altimetrik

07/2023 - present CHENNAI, INDIA

Design, develop, and maintain RESTful APIs using Python and related frameworks.

Proficient in PySpark with experience in data preprocessing, analysis, and machine learning model development for Big Data processing.

Implement API endpoints, ensuring proper functionality, performance, and security

Proficient in using popular Python web frameworks such as Flask for API development.

Work with databases to store and retrieve data efficiently.

Create comprehensive API documentation for both internal and external users.

Write unit tests and conduct thorough testing of APIs to ensure reliability and robustness.

Hands on tools like version control -Git,IAC-Aws cloud

formation,terraform,CICD-Gitlab,Jenkins.Also hangs hands on Aws Boto3 for resources build in Aws environment.

Consultant VIRTUSA CONSULTING PVT LTD

05/2022 - CHENNAI, INDIA

- Developed Flask-based RESTful APIs and utilized Boto3 SDK for seamless integration with AWS services like Lambda function.
- Implemented unittest cases for a robust codebase and performed debugging and troubleshooting activities.
- Collaborated on scalable software solutions, using VS Code and PyCharm as primary IDEs.
- Proficient in Pyenv and Pip environments for managing Python versions and dependencies.
- Experienced in YAML for configuration management and deployment.
- Automated infrastructure deployment and configuration management using Python and Terraform.
- Set up and maintained GitLab CI/CD pipelines for application development and deployment.
- Containerized applications and services using Docker.
- Monitored application performance, system metrics, and logs using Datadog and Grafana.
- Configured and managed Linux servers using WSL.
- Developed and maintained a vulnerability application using AWS Lambda function -Python, helping organizations identify and address potential security risks.
- Collaborated with the frontend team to design and implement RESTful APIs for seamless integration with user interfaces.
- Integrated third-party services and APIs to enhance application functionality and security capabilities.
- Participated in Agile/Scrum meetings, providing updates on progress and

WORK EXPERIENCE

- actively contributing to sprint planning and retrospectives.
- Worked closely with the QA team to ensure the application's reliability and security through thorough testing and bug fixes

SOFTWARE ENGINEER IDC TECHNOLOGIES PVT LTD

10/2021 – 05/2022 CHENNAI, INDIA

- Designed, deployed, and managed Windows and Linux instances on AWS platforms
- Utilized Aws Lambda, Jenkins and Gitlab for continuous integration and continuous deployment (CI/CD) of cloud applications and services.
- Implemented security best practices in cloud infrastructure, including CyberArk for privileged access management.
- Developed PowerShell scripts to automate cloud operations and improve efficiency.
- Deployed ESX hosts and virtual machines on VM infrastructure.
- Used Packer to create custom images and ensure consistent configurations across cloud environments.
- Deployed instances in cloud platforms using Terraform .
- Created and maintained documentation, including architecture diagrams, standard operating procedures, and knowledge base articles.
- Used Dynamodb , lambda function for building Amazon Connect.

SYSTEM ENGINEER TEKSYSTEMS

10/2018 – 10/2021 CHENNAI, INDIA

- Designed, deployed, and managed AWS infrastructure.
- Developed and maintained automation scripts using Python or Bash.
- Developed Aws lambda function with python for deploying the Instances.
- Implemented security best practices.
- Monitored and analyzed cloud performance to optimize resource utilization and cost savings.
- Worked with cross-functional teams to design and implement scalable and highly available architectures.
- Created and maintained documentation.
- Stayed up-to-date with the latest AWS services and features.
- Participated in on-call rotations and incident management.

SYSTEM ADMINISTRATOR WU TECHNOLOGIES PVT LTD

05/2017 – 04/2018 CHENNAI, INDIA

- Managed and maintained Windows Server 2012 R2 and 2008, including user management, and FTP server.
- Configured Linux servers and managed user and device management.
- Built and configured Linux servers, with good hands-on experience in OS patching.
- Performed backup and restore tasks on Windows Server 2012 R2 and 2008.
- Configured and installed Linux systems.
- Managed end user accounts, permissions, access rights, and storage allocations.

RIM ENGINEER HCL INFOSYSTEMS

02/2015 – 03/2017 CHENNAI, INDIA

- Managing and maintaining the overall administration of Windows, Linux system
- Sorted complex issues pertaining to hardware and network failure - Monitored both Hardware and Software systems for errors and updated them regularly to maintain proper functioning and flow of information
- User creation, modification and rights management in windows server.
- Asset Management

EDUCATION

Electronics and communications engineering | BE SA ENGINEERING COLLEGE

06/2009 – 07/2013 CHENNAI, INDIA

CERTIFICATES

AWS DEVELOPER ASSOCIATE AWS

05/2023

https://www.credly.com/badges/d4ed68a0-d714-4fd7-b05a-d95924cec910/linkedin_profile

Version control with git Kodecloud

05/2023

JSON path test Kodecloud

04/2023

<https://Kodecloud.com/certificate-verification/2D0B0AF1BE64-2D0B04FC2B80-2D0AFF61633C/>