PRIYA LAKSHMI THEAGARAJAN

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DevOps Engineer with over 2+ years of experience in orchestrating cloud infrastructure and automating deployment pipelines to drive continuous delivery and enhance business agility. Certified Linux and AWS Associate developer.

TECHNICAL SKILLS

Languages	Python SQL C++ Golang JavaScript HTML Java Ruby
Frameworks	PySpark Django Flask REST API Node.JS React NLTK
Tools	Terraform Chef Ab Initio Tableau Jenkins Docker Kubernetes GCP
AWS	S3 IAM Lambda ECS EC2 Athena SNS Glue CloudFormation Service Catalog

EXPERIENCE

Intuitive Surgical Inc.	**Software Engineer Intern**	***Aug 2023 - Present***

Engineering Applications | *Tableau, Pandas, Python, REST API, SQL, RHEL, DataDog, Solidworks*
- Accelerated the operational latency of CAD workers by 20% through building an AI based troubleshooting and monitoring utility using Data Dog that notifies the system admins of server failures and suggests remediations.
- Streamlined product development by deploying ThingWorx Navigate in Red Hat Enterprise Linux server and integrated with Windchill, to create and manage product configurations and design reviews. (2 lines)
- Achieved over 250K in cost savings by developing a real-time Application license monitoring system using Tableau for visualization and Python for ETL pipeline, eliminating unused licenses.

University of Florida	**Software Engineer**	***Feb 2023 – Aug 2023***

Medical Resource Database system | *Django, Python, PySpark, MySQL, HTML, AWS*
- Enhanced resource allocation by 40% by architecting a full-stack Research Inventory web application with Django and MySQL database; streamlining equipment management and facilitated collaboration between researchers.
- Deployed the full-stack application in the University internal network using AWS Elastic Cluster Service.

Barclays	**AWS Cloud Engineer**	***Jul 2019 – Aug 2022***

Deploy SAS Viya on Cloud | *AWS, Chef, Jenkins, SAS Viya*
- Enabled faster data analysis and accelerated response times by 40% for SAS users through provisioning SAS Viya (Data management platform) on AWS Cloud environment to make informed decisions.
- Created Chef cookbooks in Ruby and performed code build using Jenkins pipeline; Deployed chef recipe on AWS Elastic Cluster Service with auto scaling and target groups to manage CPU and network traffic for SAS Viya.

Data Lake creation using server-less ETL pipeline on Cloud | *AWS, Python, CloudFormation, PySpark, Jenkins*
- Led data migration of 12 million US Consumer Banking records from Hadoop/Oracle to AWS Data Lake by developing serverless data transformation pipelines resulting in resource conservation of over 50%
- Enhanced the incident response time by 80% through designing a real-time monitoring and notification systems by establishing reconciliation between AWS and on-premises resources using Python and Elasticsearch
- Reduced the development lifecycle by 30% by building and deploying reusable service catalog products via IaaC (Infrastructure as a Code) for AWS services: S3, Lambda, IAM, ECS, Lake formation, SNS, SQS etc.
- Achieved a 30% cost saving in EC2 server provisioning expenses by implementing adaptive Autoscaling groups and Application load balancers to manage traffic based on CPU and memory utilization
- Provisioned products are utilized to migrate, monitor, and process daily batch loads for over 100 datasets.

Achievement: Barclays Global Recognition Award of Excellence (2020); Barclays Value Award for Excellence (2021)

EDUCATION

University of Florida – Master of Science in Computer Science; GPA: 3.72	Aug 2022 – Apr 2024
SSN College of Engineering - Bachelor of Engineering in Computer science;	Jul 2015 – Apr 2019

PROJECTS

Book My Events – Full-stack web application | *Django, Flask, OpenAI, MongoDB, Figma, Miro* | *GitHub*
- Amplified ticket sales by 30% through creating and hosted a event management website using Django and NoSQL document database; Integrated application with OpenAI API to create a chatbot assistant.

Hola Amigos - Interactive voice assistant for new incoming students| *Dialogflow, Flask, Python* | *GitHub*
- Implemented an interactive voice assistant using Dialogflow to develop intent recognition and conversational flow and boosted student engagement by 15%; Used Flask to create API endpoints and design dialog responses.

CERTIFICATIONS

- *AWS Associate Developer* : Certified developer with hands-on experience in core, networking and CI/CD services
- *Linux Certifications* : Fundamentals of Red Hat Enterprise Linux, Learning Linux for LFCA Certification, Hands-on Introduction to Linux Commands and Shell Scripting