Bhagya Lakshmi Putturu

+1 903-204-8024   bhagyaputturu2000@gmail.com   www.linkedin.com/in/bhagyalakshmi-putturu-devops

Master's student in Computer Science currently and 3 years of DevOps experience. Proficient in AWS, Azure, Kubernetes, Terraform, Docker, GitHub Actions, and Jenkins. Strong foundation in test-driven development (TDD), cloud security, and monitoring tools like New Relic.

SKILLS

- **Computer**: Microsoft Office (Word, Excel, PowerPoint), Visual Studio code, GitHub

- **Programming Languages & Scripting**: Java, Python, C#, LINUX, UNIX, Bash, PowerShell, javascript, typescript

- **Frontend**: HTML, CSS, React.js, Node.js, TailwindCSS

- **Backend** : Django, .Net

- **Databases**: MySQL, PostgreSQL, MongoDB, SQLite, NOSQL

- **Software Development**: Object-Oriented Analysis, Software Development Methodologies

- **Cloud & Infrastructure**: AWS (EC2, S3, IAM, Lambda, CloudFormation, EKS), Azure

- **CI/CD & Automation:** Jenkins, GitHub Actions, AWS CodePipeline, Terraform, Helm

- **Monitoring & Security:** AWS CloudWatch, New Relic, SonarCloud, GuardDuty

- **Containerization & Orchestration**: Kubernetes, Docker

- **Agile & DevOps:** Test-Driven Development (TDD), Agile, Rest APIs

Experience

Tata Consultancy Services | *DevOps Engineer*   Jul 2021 - Aug 2023

- Developed and deployed microservices using Spring Boot, REST APIs, and MySQL in an Agile environment.
- Designed and maintained CI/CD pipelines with GitHub Actions, Jenkins, and AWS CodePipeline, ensuring 90-100% deployment success.
- Managed AWS & Azure infrastructure, provisioning resources using Terraform, CloudFormation, and Kubernetes (EKS & AKS).
- Implemented New Relic APM & AWS CloudWatch for monitoring, logging, and performance optimization, reducing downtime by 30%.
- Applied DevOps best practices, integrating IAM role-based access control (RBAC), SonarCloud
- Automated workflows with AWS Lambda, Azure Logic Apps, and optimized cloud costs using EC2 auto-scaling and S3 lifecycle policies.
- Collaborated with cross-functional teams to troubleshoot CI/CD, security, and performance issues, ensuring smooth software delivery.

University of Houston-Clear Lake | *Teaching Assistant*   Aug 2024 - Present

- Assisted students with understanding core concepts in **data structures and algorithms**, **Web Application Development**
- Provided guidance on problem-solving techniques and coding assignments
- Supported the learning process for web application development and database integration
- Facilitated lab sessions, conducted review sessions, and provided one-on-one tutoring

Education

University of Houston-Clear Lake   Jan 2024 - Present
Master's Degree, Computer Science (GPA: 3.71/4.0)

- **Coursework:** Database Management System, Concurrent Programming and Software modelling, Internet Protocols, Modern Software Development, Artificial Intelligence, Design of Algorithms and analysis, Advanced Operating System

Academic Project

Educational Networking Tools

- Created and implemented a web application using HTML, CSS, Node.js, React, enabling course registration, appointments, access to course materials and access university portals.

AI Summarizer

- Implemented a web application using Django, python, Tailwind, React, LLM - Open AI ChatGPT 3.5 turbo model enabling us to upload a document of different forms or text to summarize and download as a document.