**Vigneshwari Pakkirisami**

**(437) 933-2304 |** [**vigneshwariapkirisamy@gmail.com**](mailto:vigneshwariapkirisamy@gmail.com) | [linkedin.com/in/vigneshwari-pakkirisami](https://www.linkedin.com/in/vigneshwari-pakkirisami)

**SUMMARY**

Results-driven **Python Developer & DevOps Engineer** with 4+ years of experience designing scalable, cloud-native applications and automated data pipelines. Proficient in **Python, REST APIs, AWS, Docker, Kubernetes, and CI/CD** with expertise in building secure, production-ready solutions. Skilled at **optimizing performance, automating workflows, and implementing DevOps practices** to accelerate delivery in fast-paced environments.

**EDUCATION**

**Postgraduate Certificate – DevOps for Cloud Computing** *(2024- 2025)*

Lambton College, Toronto

**Master of Computer Application (MCA)** *(2017–2019)*

Dhanalakshmi Srinivasan Engineering College, India

**TECHNICAL SKILLS**

* **CI/CD Tools:** Jenkins, GitHub Actions, GitLab CI, Azure DevOps
* **Infrastructure as Code (IaC):** Terraform, Ansible, AWS CloudFormation
* **Monitoring & Logging:** Prometheus, Grafana, ELK Stack, AWS CloudWatch
* **Scripting:** Bash, Shell scripting, Python automation for deployments
* **Cloud Platforms:** AWS (EC2, S3, IAM), Azure, GCP (basics)
* **Security:** Implementing DevSecOps practices with SonarQube & Trivy

**PROFESSIONAL EXPERIENCE**

**Associate – Cognizant Technologies|Chennai| India (Sep 2021 – Nov 2023)**

* Designed and implemented end-to-end CI/CD pipelines using **Jenkins and GitHub Actions,** reducing deployment time by 40%.
* Automated infrastructure provisioning with **Terraform** for AWS environments, ensuring consistency across dev, test, and prod.
* Monitored and optimized cloud infrastructure using **Prometheus, Grafana, and CloudWatch**, improving system reliability and reducing downtime by 25%.
* Applied DevSecOps practices by integrating SonarQube and Trivy into pipelines, enhancing code and container security.
* Deployed containerized applications on Kubernetes clusters, scaling workloads dynamically to handle production traffic.

### **Jr. Executive – Scope E-Knowledge Center|Chennai|India *(Jul 2020 – Aug 2021)***

* Automated web data extraction using **Python, Requests, and BeautifulSoup**, reducing manual effort by **40%**.
* Processed and transformed large datasets into **Excel, CSV, and JSON** formats using Pandas, accelerating reporting cycles by **35%**.
* Standardized and optimized data collection pipelines, cutting downtime from **3 hours to 1.5 hours daily**.
* Collaborated with analysts to design reusable Python scripts, improving reusability and cutting onboarding time for new developers by **25%**.

### **Python Developer-Analyst – AIT Resource |Chennai|India *(Jul 2019 – Aug 2020)***

* Developed **large-scale web scraping solutions** using Scrapy & BeautifulSoup, extracting **1M+ records weekly from 50+ sources**.
* Built modular, reusable Python code for **data pipelines**, reducing maintenance effort by **30%** and improving scalability.
* Cleaned, transformed, and validated raw datasets with Pandas, improving data quality for analytics workflows and reducing downstream errors by **20%**.
* Supported cross-functional teams by delivering structured datasets, enabling faster business decision-making and **improving reporting accuracy by 15%**.
* Built automated deployment scripts in **Python and Bash**, reducing manual configuration effort by 50%.
* Supported **CI/CD adoption** for Python applications, improving release frequency and reducing rollback incidents.

**PROJECTS**

* Built an automated CI/CD pipeline using Azure DevOps, Jenkins, Docker, Kubernetes, SonarQube, and Trivy for secure and efficient deployments.Managed cloud services including storage, networking, CDN, load balancers, autoscaling, and DBaaS to ensure scalability and performance.