

# BABU RAYHAN SHAIK

Devops Engineer | [rayhan123stones@gmail.com](mailto:rayhan123stones@gmail.com) | +91-9133286903

## **Objective:**

Experienced and skilled DevOps Engineer with expertise in Python, FastAPI, Linux, Istio, Git, Docker, Kubernetes, Terraform, Azure DevOps, Ansible, ELK Stack, Vault, ArgoCD. Proven ability to design, implement, and manage cloud-native infrastructure and deployment pipelines.

## **Profile Summary:**

- Over 3 Years of overall IT experience in DevOps Engineering.
- Extensive working experience with Python, FastAPI, Linux, Istio, Git, Docker, Kubernetes, Terraform, Azure DevOps, Ansible, ELK Stack, Vault, and ArgoCD.
- Proven ability to design, implement, and manage cloud-native infrastructure and deployment pipelines.
- Expertise in building, deploying, and managing applications in a cloud environment, ensuring high availability, scalability, and security.
- Skilled in creating and maintaining CI/CD pipelines, automating workflows, and improving development processes to increase efficiency and reduce time-to-market.
- Experience with infrastructure as code (IaC) practices using tools like Terraform and Ansible.
- Strong knowledge of containerization technologies such as Docker and Kubernetes, including deployment, orchestration, and management of containerized applications.
- Expertise in configuring and managing cloud services and resources on platforms like AWS.
- Proficient in monitoring, logging, and alerting using the ELK Stack, ensuring the reliability and performance of applications and infrastructure.
- Experience with service mesh technologies like Istio for traffic management, security, and observability.

## **Technical Skills:**

- **DevOps Tools:** Kubernetes, Docker, Terraform, Ansible, Helm, ArgoCD
- **Programming Languages:** Python, C, Java
- **Service Mesh:** Istio
- **Logging and Monitoring:** ELK Stack
- **Version Control:** Git
- **Cloud:** AWS, Azure DevOps
- **Web Frameworks:** FastAPI, Spring Boot

## **Professional Experience:**

### **Infosys Limited: ( August-2021 - present)**

**Client:** PTSB

**Role:** Devops Engineer

## **Responsibilities:**

- Experience as **Kubernetes developer and administrator** for one of the top banks of Ireland, implementing and managing container orchestration with Kubernetes.
- Implemented **Istio service mesh** in Kubernetes, enhancing security, ingress, and Kubernetes capabilities by 30%.
- Debugged issues in Docker containers and created Docker files, reducing container-related issues by 35%.
- Worked as **ELK stack Admin**, installing ELK agents in over 40 servers, improving application and server monitoring coverage by 50%.
- Configured **Filebeats, Metricbeats, and Logstash** for efficient data collection and processing, enhancing data processing efficiency by 25%.
- Created visually appealing and functional monitoring **dashboards in Kibana**, meeting client requirements and improving dashboard usability by 20%.
- Collaborated with other teams to solve or debug issues using logs from the ELK stack, reducing issue resolution time by 30%.

**Client:** Kone

**Role:** Developer

### **Responsibilities:**

- Led a team in migrating KONE's legacy systems to AWS cloud infrastructure, enhancing scalability and reliability of services by 40%.
- **Developed RESTful APIs** using **Python FastAPI**, ensuring high performance and robustness with a 30% improvement in response times.
- Implemented **serverless architecture using AWS Lambda** functions behind Application Load Balancers (ALB), optimizing cost by 25% and enhancing performance.
- Orchestrated containerized services with **Amazon ECS (Elastic Container Service) and ALB**, facilitating seamless deployment and scaling, achieving a 50% reduction in deployment times.
- Designed and deployed secure APIs with AWS API Gateway integrated with Lambda functions, enabling efficient data flow and management with a 20% increase in data processing efficiency.
- Implemented event-driven architecture using Amazon EventBridge for scheduling tasks, integrated with ECS for executing containerized workflows, improving task automation efficiency by 35%.

### **Certifications & Achievements:**

- Infosys certified Python programmer
- HackerRank certified Python programmer
- Infosys certified Kubernetes Administrator and Developer
- Infosys certified Spring Boot developer

### **Academics:**

- B.Tech in Electronics and communication Engineering -- 2017-2021 **JNTU-Anantapur - 76%**
- Intermediate in Rao's Junior College -- 2015-2017 **BIEAP - 96.5%**
- SSC in Sri Shantinikethan English Medium School -- 2015 **BSEAP - 9.2 GPA**