

PALAKEERTHI SIVA PHANI KUMAR

Angular Developer with DevOps Experience

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PROFESSIONAL SUMMARY

Software Engineer with experience in Angular UI development and strong hands-on exposure to DevOps practices. Started career as an Angular Developer, working on UI design, API integration, and frontend architecture, and gradually took ownership of CI/CD pipelines, cloud infrastructure, and application deployments. Experienced in designing, automating, and maintaining CI/CD pipelines and AWS-based cloud infrastructure. Proficient in AWS services, Linux administration, and Infrastructure as Code using Terraform and Ansible. Hands-on experience with containerization and orchestration using Docker and Kubernetes, with a strong focus on improving deployment reliability, system scalability, and operational efficiency. Adept at collaborating with development and QA teams to streamline release cycles, enhance monitoring, and ensure high availability of applications. Actively transitioning into a full-time DevOps Engineer role with a passion for automation, cloud-native technologies, and continuous improvement.

PROFESSIONAL EXPERIENCE

Angular Developer (DevOps Responsibilities)

Drucare pvt ltd (Product Based HealthTech Organization) ,Hyderabad
Aug, 2023 – Aug 2025

- Followed **SDLC** processes to ensure comprehensive software quality assurance.
- Worked as an **Angular Developer while primarily handling DevOps** and deployment responsibilities for frontend and microservices-based applications.
- Designed, implemented, and maintained **CI/CD pipelines** using **Jenkins** and **GitHub Actions**, significantly reducing manual deployment effort and release time.
- Automated AWS infrastructure provisioning using **Terraform (IaC)**, managing resources such as **EC2, VPC, IAM, S3, ALB, and Auto Scaling groups**.
- Containerized frontend and backend applications using **Docker** and deployed them on **Kubernetes (EKS)** to ensure scalability, high availability, and smooth rolling deployments.
- Implemented configuration management using **Ansible** to automate application setup, patching, and environment consistency across **Dev, QA, and Production**.
- Managed and administered **Linux (RHEL)** servers, including user access, permissions, package management, service configuration, and troubleshooting.
- Configured **Nginx**, application ports, and **SSL/TLS certificates** using **ACM** to support secure and reliable application access.
- Integrated AWS services such as **Route 53, ELB/ALB, and CloudWatch** to support production workloads.
- Monitored infrastructure and application health using **Prometheus** and **Grafana**, enabling proactive issue detection and faster incident response.
- Collaborated closely with frontend, backend, and QA teams to support agile releases, improve deployment reliability, and maintain high availability.
- Contributed to Angular UI development, including feature enhancements, bug fixes, and REST API integration as part of the application lifecycle.
- Troubleshoot CI/CD, infrastructure, and application issues to ensure **99%+ uptime**.

TECHNICAL SKILLS

- Cloud Platform & Services** : Amazon Web Services (AWS): EC2, VPC, IAM, S3, EKS, EFS, EBS, ALB, Auto Scaling, Route 53, CloudWatch, ACM etc.,
- Containerization & Orchestration** : Docker, Docker Compose Kubernetes (EKS), Helm.
- Infrastructure as code (IaaC)** : Terraform.
- Configuration Management** : Ansible.
- CI/CD & Build Tools** : Jenkins, Github Actions, Argo CD.

- **Version Control** : Git, Github
 - **Scripting & Programming**: Shell Scripting [bash], python [basics],
 - **Monitoring Tools**: Prometheus & Grafana
 - **Web technologies** : Html, Css, JavaScript, Angular, Bootstrap
 - **DevOps Practices**: CI/CD automation, Infrastructure Automation, Blue-Green & Rolling Deployments, Agile & DevSecOps Methodologies
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PROJECTS

DRUCARE HMIS - Health Management Information System

Aug, 2023 – Aug, 2025

Drucare HMIS (Hospital Management Information System) is a cloud-based software suite for hospitals, clinics, and labs, offering end-to-end solutions like patient registration, billing, EMR (Electronic Medical Records), lab management, and reporting, all designed to streamline operations, improve efficiency, and boost patient care while being ABDM and QCI certified for quality and compliance in India. It provides features such as IP-based access control, user access logs, real-time backups, and integration for teleconsultations, helping healthcare providers manage administrative tasks and focus more on patient care.

- Worked on a large-scale microservices-based architecture consisting of **30–40 services**, primarily developed in **Java** with **5–6 services** implemented using **Python**, and data stored in **PostgreSQL**.
 - Contributed to Angular frontend development, including **UI design**, feature implementation, and **REST API integration** with multiple backend microservices.
 - Implemented and maintained CI/CD pipelines to build, test, and deploy Angular applications and microservices across Dev, QA, and Production environments.
 - Containerized Angular frontend and backend microservices using Docker, creating optimized Dockerfiles and managing image versioning.
 - Deployed and managed containerized applications on **Kubernetes (EKS)**, ensuring scalability, high availability, and smooth rolling deployments.
 - Provisioned and managed AWS cloud infrastructure using **Terraform (IaC)**, including **EC2, VPC, IAM, Load Balancers (ALB)**, and **Auto Scaling groups**.
 - Implemented configuration management and automation using **Ansible** to maintain consistent application and environment configurations.
 - Configured **Nginx**, application routing, and **SSL/TLS** certificates to support secure access to frontend and backend services.
 - Monitored application and infrastructure health using **AWS CloudWatch, Prometheus**, and **Grafana**, enabling proactive monitoring and faster incident response.
 - Collaborated closely with frontend, backend, QA, and product teams to support frequent releases, production stability, and performance improvements.
 - Assisted in troubleshooting production issues related to deployments, infrastructure, and application behavior, reducing downtime and improving reliability.
 - Followed **DevOps best practices** including Infrastructure as Code, CI/CD automation, container orchestration, and cloud-native deployment strategies.
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PERSONAL PROJECTS

ANGULAR PORTFOLIO APPLICATION (Angular Project)

- Designed and developed a responsive personal resume portfolio application using Angular, TypeScript, JavaScript, HTML, and CSS
- Implemented modular Angular components, routing, and reusable UI components to present professional experience, projects, and skills.
- Applied responsive design principles to ensure compatibility across desktop and mobile devices.
- Deployed the application on GitHub Pages for free public hosting and version-controlled the source code using Git.

Live URL : <https://phanis-git.github.io/resume-portfolio/#/home>

EDUCATION

BACHELOR OF TECHONOLOGY

Guntur Engineering College,
Guntur 2018 – 2021 | CGPA: 7.0

ADDRESS

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