PARAMBRAMHA ROUT

Azure Devops Engineer

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📍 Bangalore

SUMMARY

With 7.4 years of IT experience, I have served as an Azure Cloud/DevOps Engineer, specializing in Production Support, Application Support, and the Industrialization of applications across Telecom, Automobile, and Banking domains. My hands-on experience includes designing, building, and automating cloud infrastructures on Azure.I excel in strategizing, designing, and implementing highly efficient solutions on the public cloud, specifically Azure, focusing on security, resilience, performance, networking, availability, and Blue-green deployments for business applications.
My expertise extends to various tools such as Git, Docker, Ansible, Terraform, Kubernetes, Jenkins, Grafana, Zabbix, Jira, Prometheus, Dynatrace, Splunk, and various Azure services, including Azure Kubernetes Service (AKS), Azure Active Directory (AAD), Azure API Management, Azure Key Vault, Azure Virtual Network, Azure Application Gateway, Azure Security Center, Azure Policy, Azure Monitor, Azure Firewall, Azure Repos, Azure Functions, Azure Logic Apps, Azure DevOps Services, Azure SQL Database, Azure Redis Cache, Azure App Service, Azure Managed Identity, Azure Virtual Machines, etc.

EDUCATION

05/2009 - 06/2013

Bachelor of technology(B.tech)
BPUT,Odisha

EXPERIENCE

10/2019 - Present

Bangalore

Azure Devops Engineer
Lumen Technologies

Telecommunication company
- Azure Devops and Azure Paas services

08/2016 - 10/2019

Bangalore

Senior Consultant
Capgemini

Information technology company
- L2/L3 Build/Production/Application support Engineer

TECH SKILLS

Devops Tools and Azure Cloud Paas Services

Azure | Git | Docker | Ansible | Terraform | Kubernetes | Jenkins | Grafana | zabbix | Jira

Prometheus | Dynatrace | Splunk | Azure Kubernetes Service(AKS) | Azure Active Directory(AAD)

Azure API Management | Azure Key Vault | Azure Virtual Network | Azure Application Gateway

Azure Security Center | Azure Policy | Azure Monitor | Azure Firewall | Azure Repo

Azure Functions | Azure Logic Apps | Azure Devops Services | Azure SQL Database | Azure Redis Cache

Azure App service | Azure Managed identity | Azure Virtual Machines

PROJECTS

Mediation Pase Billing(Lumen)

📅 10/2019 - Present 📍 Bangalore

The Record Processor system is a mediation application designed to process data and voice events from network elements/vendors and prepares it for the Billing Engine System.Event Extractor and Distributor is a component system in the mediation suite of applications. Its general responsibility is to handle formatting and distribution services for Billing Engine, IBE,EYERIS,COCOT,PNTI, CMP, Daily Fraud, Daily CDR Extraction, Initial Pricing, etc.Basically, there are four types of processing works inside Billing Engine system. One is Daily Processing and the other is Cycle Processing. Pricing comes under Daily Processing. And Cycle processing comes after the Daily Processing and once these two processing finishes then the Invoicing and Taxing starts.

- **Roles and Responsibilities:**

- **Version Control Systems:**
- Utilize version control systems such as Git for source code management, branching, and merging, ensuring a robust and collaborative development process.
- **CI/CD Pipeline Configuration:**
  Designed and tested end-to-end CI/CD pipelines using Azure DevOps, ensuring automated build, test, and deployment processes for diverse projects.
  Configured YAML pipelines for version-controlled pipeline-as-code, enhancing traceability and reproducibility.
- **Infrastructure as Code (IaC):**
  Utilized Azure Resource Manager (ARM) templates to define and deploy infrastructure, ensuring consistency and scalability.
  Automated infrastructure provisioning and management using tools such as Terraform.
  Version Control:
  Managed source code repositories using Azure Repos, ensuring version control and collaboration among development teams.
  established branching strategies and code reviews to maintain code quality.
  Containerization and Orchestration:
  Orchestrated containerized applications using Azure Kubernetes Service (AKS), optimizing resource utilization and scalability.
  Maintained Docker images and managed container registries with Azure Container Registry (ACR).
  Monitoring and Logging:
  Configured monitoring solutions using Azure Monitor and Application Insights to proactively identify and resolve issues.
  and logging, diagnostics for applications and infrastructure components.
  Security and Compliance:
  Implemented security best practices in CI/CD pipelines, incorporating security scans and code analysis.
  Ensured compliance with organizational and industry standards in all deployment processes.
  Collaboration and Communication:
  Collaborated with cross-functional teams to understand project requirements and optimize deployment workflows.
  Facilitated knowledge sharing through documentation and training sessions.
  Release Management:
  Managed release pipelines for multi-stage deployments, coordinating releases across different environments.
  Implemented blue-green deployments and rollback strategies to minimize downtime.
- **Continuous Improvement:**
  Evaluated and implemented new Azure DevOps features and practices to enhance efficiency and stay abreast of industry best practices.
  Conducted periodic reviews of CI/CD processes for optimization opportunities.
  Problem Resolution:
  Investigated and resolved deployment-related issues, ensuring minimal impact on production environments.
  Participated in on-call rotations for timely response to incidents.
- **Scripting and Automation:**
- Proficient in scripting languages such as Shell and Bash for automating routine tasks, system configurations, and resource management.
- **Networking:**
- Design and manage Azure Virtual Networks, VPNs, and ExpressRoute for secure and efficient communication between on-premises and cloud environments.
- **Troubleshooting and Support:**
- Provide 3rd level support, troubleshoot issues, and participate in incident response, ensuring timely resolution of incidents and minimizing downtime.
- **Training and Mentorship:**
- Provide training sessions and mentorship to junior team members, fostering skill development and knowledge sharing within the team.
- **Documentation:**
- Maintain comprehensive documentation for configurations, processes, and troubleshooting guides to facilitate knowledge transfer and onboarding of team members.

PROJECTS

Product Life Management (PLM)

📅 08/2016 - 10/2019　　📍 Bangalore, India

Application PLM is a management solution of Product Lifecycle Management, based on software suite ENOVIAV6 of the company DASSAULT SYSTEM.PLM contains the whole data 2D-3D (Vehicles project), thus representing all the perimeter of the Numeric Model.PLM consists of a database, of a web-based interface based on Tomcat (MCS), of a data storage long (FCS), of a search engine(FTS), an engine of indexing of the data (3DIndex) and of a generator of reports (EXALEAD CLOUDVIEW).PLM (Product Lifecycle Management) is the process of managing the entire lifecycle of a product from inception through engineering design and manufacturing to service and disposal of manufactured products. PLM integrates people, data process and business systems and provides a product information backbone for companies and their extended enterprises.

- **Roles & Responsibility :**
- Experience in **L2 and L3(Industrialization and enhancement of application and server)** level of production support.
  Taking major role in Version Up gradation (WE Release) quarterly, Custo Pack Installation weekly, Patch Installation daily.Batch Implementation includes Creating Batch Script files, Update/modify the configuration of the files, Update the files on SVN Repository to run the process automatically.
  Responsible to perform Environment refresh to make one environment replica of another.
  Responsible to receive Incidents/Pilot Incidents from L1/L2/Operations and fix them, we are very responsible to finding failure mode analysis of every incident to give a permanent fix.
  Responsible to prepare/validate changes and get approval from the appropriate approvers before touching production Interaction with numerous business groups and other IT teams as appropriate. Taking leadership in daily/weekly/bridge calls.
  Having experiences to work on different environments like prod (More than 60 servers), pre prod, Test, Development and Formations (More than 300 servers)

LANGUAGES

English Proficient	●●●●○	Hindi Proficient	●●●●○	Odia Native	●●●●●

INDUSTRY EXPERTISE

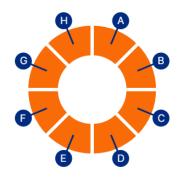| Cloud Computing	Devops Practices	Leadership

FIND ME ONLINE

🌐 **GITHUB**

https://github.com/parambramha

🌐 **Linkedin**

www.linkedin.com/in/parambramha-rout-2372492b0

DAILY ACTIVITIES

- A Version Control Systems
- B CI/CD Pipeline Configuration
- C Infrastructure as Code
- D Containerization and Orchestration
- E Release Management
- F Monitoring and Logging
- G Troubleshooting and Support
- H Training and Mentorship