Pradeep kumar B N

OBJECTIVE

Experienced Cloud & DevOps Consultant and Architect with 14 years of expertise in the SDLC. Proficient in provisioning, managing, and securing cloud resources, with strong background in requirement analysis, design, development, integration, and deployment for multi-tiered distributed architecture. Seeking opportunities to contribute to innovative projects and drive business growth.

CONTACT

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EXPERIENCE

LEAD CONSULTANT

Wipro Technologies | Bengaluru, Karnataka | Nov 2019 - Present

Projects:
Blue Box - A software solution from Sulzer for advanced pump optimization and failures prevention by transforming data into trusted and actionable insights.

- Designed and built Sulzer's IoT data processing and visualization platform on Azure cloud.
- Provisioned resources using IAC tools and established CI/CD pipelines with yaml configurations.
- Developed secure networking solutions for cloud resources and implemented monitoring using Azure native tools.

SKILLS & ABILITIES

Azure Cloud Expertise:
- Proficient in Architecting Azure Infrastructure as a Service (IaaS) and Platform as a Service (PaaS) solutions.
- Skilled in provisioning cloud resources using Terraform and ARM templates.
- Implementing Infrastructure as Code (IaC) with various DevOps tools.

DevOps and CI/CD:
- Experienced in building CI/CD pipelines with various DevOps tools.
- Can create end-to-end applications with automated DevOps pipelines.
- Familiar with Agile methodologies, including Scrum and Test-Driven Development.

Cloud Security:
- Knowledgeable in controlling cloud security with policy-driven monitoring.
- Proficient in securing Azure resources using services like Managed identity, Vnet, NSGs, Security Center and Key Vault.

Azure Solutions and services:
- Proficient in architecting solutions based on Microsoft Azure, including VMs, App Service, Azure Functions, Azure API Management, Data Factory,

- Containerized applications using Docker and AKS services, designed event-driven computing systems.
- Implemented MLOps practices using MLflow, AKS, Azure DevOps, and KEDA for efficient machine learning workflows and event-driven scaling.
- Collaborated with vendors and Microsoft support teams, provided technical advice, and conducted training and mentoring sessions for team members.

Platform and Tech Stacks:
Azure, Terraform, Azure DevOps, HDInsight, Azure App Services, AKS, Azure Cosmos, Azure SQL Server, Azure PostgreSQL, Docker, ASP.NET, PowerShell, Python, Shell, Azure Functions, Node.js, SFTP, Azure Storage, Azure Monitor and Automation, Packer, Azure networking, Azure Batch, App Gateway, SonarQube.

SDE I
Tesco | Bengaluru, Karnataka | Sept 2011 – Oct 2019

Projects:
Stored Value Coupon - This is a Tesco's coupon API to create, get and redeem coupons.
Stored Value points - This is a Tesco's points api to earn and burn loyalty points.
Juvo – Tesco's online Grocery Customer service application
Next Generation Clubcard – Tesco's Application for Clubcard and Loyalty program
Campaign Management – Tesco's application for creating and targeting campaigns for customers.

- Designed and developed a platform for API services hosted on Azure and AWS cloud.
- Created CI/CD pipelines using Azure DevOps and Jenkins for seamless deployment.
- Deployed APIs in Azure Kubernetes Service with Application Gateway Ingress Controller.

HDInsight, AKS, Service Bus and storage services like Azure SQL, ADLS, Blob storage.
- Familiar with Azure Monitoring and Management tools, such as Azure Log Analytics and Application Insights.

Container Orchestration and MLOps:
- Expertise in containerizing applications using Docker and managing them through Azure Kubernetes Service (AKS).
- Skilled in implementing MLOps practices using AKS, MLflow, and KEDA for efficient machine learning workflows and event-driven scaling.

Azure Active Directory:
- Configuring Azure AD, Application registration, app roles, and access.
- Implementing security measures like Multi-Factor Authentication (MFA) and Identity Protection.

DevOps Implementation:
- Creating DevOps pipelines for different stages (dev/test/QA/production) in Azure and Jenkins.

Threat Detection and Incident Response:
- Capable of identifying threats with behavioral analysis and responding to incidents promptly.
- Providing documentation using wikis for clear communication.

With hands-on experience in container orchestration using Docker and AKS, as well as expertise in implementing MLOps with AKS, MLflow, and KEDA, I am well-equipped to design, deploy, and manage advanced cloud solutions. My knowledge of various DevOps tools, cloud security measures, and Azure services enables me to deliver high-quality, scalable, and secure applications while maintaining a strong focus on continuous integration and delivery.

CERTIFICATIONS

- Utilized Terraform for provisioning infrastructure components.
- Developed applications and APIs using Elixir, ASP.net, and Node.js.
- Implemented high availability and disaster recovery systems.
- Automated DB backup and restoration tests for Couchbase DB.
- Collaborated with multiple vendors and served as a technical point of contact for various projects.
- Worked on backend DB systems and data migration.
- Set up dashboards and metrics using Splunk and Runscope for effective monitoring.
- Responsible for refining stories, designing, developing, creating automated test cases, building demo interfaces, and taking projects to production.

Platform and Tech Stacks: Azure, AWS, Terraform, Azure DevOps, Ansible-Vault, Jenkins, SQL Server, PostgreSQL, Docker, Kubernetes, Elixir Phoenix, GitHub, ASP.net, HTML, CSS, WCF, MVC, Tibco, TFS, JavaScript, Node.js, Packer, Kafka, Vagrant, Cucumber.

SOFTWARE ENGINEER

Aptean corporation formerly known as Consona corporation| Bengaluru, Karnataka | Nov 2009 – sept 2011

Projects:
Made2manage CADLink - This is a service which links CAD tool and ERP systems.
Supply Works - Web application can collaborate ERP and Suppliers

- Development and bug fixing
- unit testing, CRM, software packaging and deployment activities.
- Collaborated with onsite teams for project coordination.

Platform and Tech Stacks: Classic ASP, HTML, CSS, ASP.NET, WCF, C#, SQL Server, VSS.

TECHNOLOGY & TOOLS

Languages	Bash, PowerShell, Nodejs, C#, Python
Cloud	Azure, AWS
CI/CD tools	Azure Devops, Terraform, Docker, Jenkins, Packer, Chef, Git, TFS, Mlflow
Database	Azure SQL, Azure Postgres, Azure Cosmos
Monitoring	Splunk, AppDynamics, Run Scope, SonarQube, Azure Monitor, Azure Log Analytics
Collaboration	Jira, Azure Boards, Zendesk, Slack, MS Teams
OS	Linux, Windows, IOS
IDE	VS Code, Visual Studio

EDUCATION

➢ **MASTERS IN INFORMATION TECHNOLOGY** FROM KUVEMPU UNIVERSITY

➢ **BACHELOR OF SCIENCE** FROM BENGALURU UNIVERSITY