



MANIKANDA PRABHU

CLOUD/DEVOPS ENGINEER

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Highly accomplished Cloud Engineer with over 3 years of experience in the field of Cloud Solutions development, DevOps, Application Support and Infrastructure support. Quick learner and passionate about Cloud Computing and Serverless application development. Looking to join an esteemed Company where my existing knowledge of cloud infrastructure could be built upon and put into practice.

PERSONAL PROFILE

- Experience in Developing AWS and Azure Cloud solutions
- AWS Certified Developer Associate
- Obtained certifications in Microsoft Azure. [MCSA – Cloud Platform](#).
- Excellent Knowledge on Public, Private and Hybrid cloud computing.
- Migrating workloads from on-premises to Public Cloud
- Ability to develop scripts on cloud automations using Python/PowerShell
- Cloud infrastructure orchestration using Terraform, CloudFormation and ARM
- Develop CI/CD pipeline using DevOps tools
- Develop Serverless applications using AWS Lambda and Python
- Ability to containerize and deploy application with Docker and AWS ECS/Kubernetes
- Quick learner and willing to learn new technologies and extend migration using latest strategies.
- Good in Analytical skills, determining the problem and providing a solution.
- Ability to determine criticality of tasks, prioritize and act accordingly.

Technical Skills

Cloud	AWS, Azure, GCP
Programming/ Scripting Languages	Python, Bash and PowerShell
Source/Version control System:	Git and GitHub
Configuration Management tool	Chef and Puppet
Containers	Docker
Container Management tools	Docker Swarm, AWS ECS and Kubernetes
Web servers	Apache and Nginx
Database	MySQL, MongoDB and DynamoDB
Continuous Integration	Jenkins
Operating System	Windows server and Linux
ITSM/Ticketing tools	Service-Now, AWS CloudWatch and Splunk
Bug/Issue tracking tool	JIRA
Infrastructure Automation	AWS CloudFormation, Terraform and ARM

Professional Certification:

- AWS Certified Developer Associate – Verification Link [here](#)
- Microsoft Certified Solutions Associate – Cloud Platform
- Developing Microsoft Azure solutions. MCP [70-532](#).
- Implementing Microsoft Azure Infrastructure solutions. MCP [70-533](#).
- VMware certified virtualization for beginners
- Infosys Certified in ITIL 2011 Service Desk and Incident Management
- Infosys Certified in IMS Monitoring & Ticketing Tools

Educational Qualifications

- ✓ Dr. G.R.Damodaran college of science – B.Sc. in Information Technology (2015) with 73%
- ✓ Nanjappa Boys Hr Sec School – HSC (2012) with 81%
- ✓ Nanjappa Boys Hr Sec School – S.S.L.C (2010) with 93%

PROFESSIONAL EXPERIENCE

Genpact Ltd (Bangalore)

Aug '17 – Current

Designation: Lead Associate (Cloud Engineer)

Client: One and All (Current project)

Roles and Responsibilities:

- Azure Infrastructure development
- Creating and configuring Azure DWH and SQL Servers
- Installing and configuring OTRS monitoring solution
- Azure Application Gateway configuration
- Azure Logic Apps and Data Factory
- Azure Infrastructure Administration and IAM Management

Client: GE (General Electric)

Roles and Responsibilities:

- AWS Infrastructure development and Management with Scalr
- AWS Storage Gateway(File Gateway) implementation
- Chef cookbook development to bootstrap and configure windows
- Apache web server configuration with redirection
- Shibboleth SAML integration with apache
- ONTAP Storage management solution implementation(POC)
- Migrated TB's of data to AWS Cloud from on-premises
- Automating tasks using Task Scheduler and PowerShell

Client: Food industry (US)

Roles and Responsibilities:

- Developed and managed Hybrid cloud solutions using AWS and Azure for Business Intelligence applications.
- Restructured a simple python webapp to use AWS Lambda Serverless hosting method instead native VM hosting.
- Created Multiple VM's and Database Servers (SQL Server) for BI applications Dev,Test and Prod environments.
- Adding VM's to On-premise Active Directory.
- Automating Cloud activities with AWS Lambda using python language (Boto)
- Incorporating new infrastructure with AWS developer tools
- Developed AWS Code Pipeline solution to automate build and deployment flow.
- Developed ETL pipeline using Azure ADF.

- Writing PowerShell scripts for automating Day to Day activities such as receiving files from FTP, Set retention policies for Archive files in VM and Azure Blob Storage Account.
- MS SQL DB creation, management and backup in Azure

Client: Banking (US)

Roles & Responsibilities:

- Developing AWS Application deployment solutions
- Integrating AWS Elastic BeanStalk with Jenkins for Automated build and deployment
- Migrating applications from on-premise to cloud.
- Dockerizing python web applications and deploying them in AWS ECS
- Automation of monitoring, Alerting and Auto-Scaling using AWS Lambda(Python)
- Automating DR recovery model using python scripts (AWS Lambda) and AWS CloudFormation
- Build Infrastructure as a code using AWS Cloud Formation.
- Created and Configured Chef in AWS Cloud for Configuration Management.

Infosys Ltd, Bangalore

Dec '15 - Aug '17

Designation: Operations Executive

Client: Goldman Sachs (US)

Roles and Responsibilities:

- Worked as Production Engineer with Goldman Sachs client in a specialist role.
- Writing Shell scripts for automation of ticket solving and scripts triggering automatic E-Mails to vendor daily report and error notifications.
- Assisted automation team to automate support process and alerts as a part of internal project.
- Incident Management using GIM tool. Raising Incidents, analysing business impact and Sending management updates for SEV 1 and SEV 2 tickets.
- SME in lending application infrastructure.
- Raise JIRA tickets to track issue and drive them to closure. Customize JIRA dashboards for report preparation and backlog sprints.
- Use CONFLUENCE to refer runbook and create runbook to solve tickets.
- Using Splunk to analyse logs and errors.

Technical Skills:

Cloud:

- Cloud computing, Developing solutions on Azure and AWS
- Sound knowledge and experience on core AWS Services such as AWS EC2, VPC, S3, IAM, RDS, Lambda and ECS
- Experience with AWS Elastic BeanStalk, Code PipeLine and Elastic Container Service
- Experience with AWS Developer tools such as Code Deploy, Code PipeLine, Code Commit and

Code Build

- Experience on Building Infrastructure as a Code using tools such as AWS CloudFormation (JSON), Terraform and ARM
- Creating Linux/Windows Virtual Machines using AWS EC2 and Azure VM's
- Configuring Inbound and Outbound cloud networking using AWS VPC and Azure VNET
- Designing Storage solutions using AWS EBS, S3, Azure Blob and Azure Data disks
- Experience creating and Administering highly available advanced storage services using AWS EFS, AWS Storage Gateway, GlusterFS and ONTAP
- On-Premise Active Directory Sync to Cloud using Azure AD Connect, AWS AD Connector
- Configuring domains using AWS Route 53
- Configuring ADFS for AWS SAML Authentication.
- Deploying web applications using Cloud PaaS Elastic Beanstalk and Azure App Service
- Deploying static web applications using AWS S3
- Experience deploying containerized applications to AWS Elastic Container Service, Docker Swarm and Kubernetes
- Configuring VPC peering for Multilevel and N-Tier applications.
- Knowledge on Discovery tools such as AWS Application Discovery Service, RSIC CloudScape, Device42, Service-Now Discovery
- Configuring alerts and logs in AWS Cloud Watch and manage dashboards
- Experience working with AWS CloudTrail.
- Configuring email alerts using AWS SES, SNS and Azure SendGrid.
- Create and Administer users and policies in AWS IAM and Azure AD
- Experience creating resources using AWS CLI
- Knowledge and experience working with VPN connectivity, Point-to-Site and Site-to-Site networks

Automation

- Developing Python, Shell and PowerShell scripts for automation of day to day tasks
- Automating AWS Activities using AWS Lambda
- Scheduling jobs using Crontab and Windows Task Scheduler

DevOps

- Experience on Configuration management tools such as Chef and Puppet
- Writing cookbooks and recipes for Chef automation
- Knowledge on CI/CD tools such as Jenkins and AWS Code Pipeline
- Experience on version control tools such as Git and Github
- Experience on Docker and Container management tools such as Docker Swarm, AWS ECS and Kubernetes
- ITSM/ Monitoring tools such as Service-Now, AWS CloudWatch and Splunk

Python

- Developed scalable object oriented and N-tier database-backed applications.
- Implemented python based web applications interacting with MySQL and MongoDB
- Knowledge of front end development HTML, JavaScript and CSS

- Built Web application using Python, Flask, Django, JavaScript, HTML and template languages
- Wrote and executed various No-SQL DB queries from python using pymongo package
- Good knowledge in maintaining version controls systems such as GIT.
- Experience in Application Development and Object Oriented Programming Analysis and Design (OOAD).
- Deep understanding of HTTP methods, RESTful architecture.

Virtualization

- Knowledge on VMWare virtualization technologies
- Experience with VMware vSphere, Esxi, VirtualBox and VMWare workstation

OS Administration

- Windows Server and Linux
- Creating and Configuring Active Directory

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LinkedIn - <https://www.linkedin.com/in/rmkprabhu/>

Personal Details:

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|--------------------------|----------------------------------|
| • Father's Name | - RaviChandran. R |
| • Nationality | - Indian |
| • Date of Birth | - 14th October 1994 |
| • Marital Status | - Married |
| • Linguistic Proficiency | - English, Kannada & Tamil |
| • Hobbies | - Listening Music and Basketball |