



Mamata Panigrahi

Cloud Platform Engineer

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Summary

I intend to explore variety of areas in Cloud Computing and Open Source technologies, simultaneously trying to synergize my skill sets of technological expertise and leadership qualities. I also intend to devote most of my time in doing research and building models to mark my significant contribution to the society.

Career Snapshot

- Presently employed with **Accenture Solutions Pvt Ltd.**, at Bengaluru as **Cloud Ops Solution Admin Analyst** in Cloud Technology Department. Part of Cloud Consulting and Technology team I have an active ownership role on evaluation, design, development and deployments of Cloud based solutions to AWS, GCP and Azure cloud.
- Proficient in Cloud Solutioning, DevOps, Automation, Infrastructure Deployment, Server Administration

Key Domain and Technical Knowledge

- **Domain:** Open System Technologies and Cloud: AWS, GCP and Azure
- **Technical Skills:**
 - Cloud Platforms IaaS/PaaS – AWS, Google Cloud Platform
 - Linux, Sed and AWK
 - Configuration management tools: Puppet, Chef
 - DevOps tools: Docker, Kubernetes, Git, Jenkins
 - Automation : Terraform
 - Database Management Systems – SQL
 - Experience with scripting languages – PHP, Python, Perl
- **ETL Tool :** Putty , Eclipse

PROFESSIONAL EXPERIENCE

- **Accenture Solutions Pvt. Ltd., at Bengaluru (Since April 2018)**

Position: Cloud Operations Administration Analyst

Description: Deployment and automation on Cloud infrastructure.

Key Contributions:

- Project 1: Infrastructure Deployment and Management (Hybrid Cloud – AWS + GCP)
 - Implemented the architecture and automation for provision servers and resources.
 - Public Cloud Environments Setup
 - Implementation of Architecture: Established the Enterprise organization hierarchy model by segregating the roles in **GCP Cloud IAM** policies and **AWS IAM** services.
 - Designed and **segmented network** architecture using IPSec VPN tunnels and VPC as per different accounts: Prod, Non-Prod DMZs.
 - Automation and standardization: used **lambda** function and **cloud function** to automate the VM creation based upon a transit.
 - Developed **cloud formation templates** and **Deployment manager** templates to deploy and provision servers with required application and agents installed.
 - Configure, Provision and testing the VM
 - Config management and CI/CD tools: Used **Puppet** to develop required manifest files, created **Git** branches with push request and merge, configure and define new pipelines in **Jenkins**.
 - Monitoring resource from hybrid clouds by **AppDynamics**. Configured alarms using Lambda functions
- Project 2: Data Reporting Platform- BigData and Analytics (Google Cloud Platform)
 - Involved in intuitive interaction with customers, smarter data collection
 - Migration of Enterprise reporting system and infrastructure into Cloud based solution.
 - Data ingestion services used: **PubSub**
 - Design and develop new data model and transformations in chosen tool (Talend / Informatica) using service **DataFlow**
 - Manage & execute testing of the end to end data flow (using automation where possible), including a parallel run phase
 - Services used for advances analytics: **BigQuery, Stackdriver, Data Studio** and **cloud Machine Learning**

- **Infosys Ltd., at Bengaluru (Since May 2015)**

Position: Senior Associate – Open Source and Cloud

Description: Migration and deployment of Open Source and Cloud infrastructure. Provided consultancy to many projects across DCs.

Key Contributions:

- ✓ Designed many architectures in **AWS and GCP** which includes:
 - Automating infrastructure using Cloud Configuration management tools: **CloudFormation, Terraform**
 - DevOps and Agile methodologies, processes and tools
 - Deploy application in Linux VM and attach **load balancer** and autoscaling group. Integrated DNS service **Route53** to the architecture
 - Pushed code from Eclipse and deployed in **Google app engine** flexible environment
 - Established secure connection across projects in GCP by creating secure **VPN connection**
 - Deployed **docker** container image in **Google Kubernetes Engine**
 - Created many user in accounts and managed them granting apt roles and permissions
 - Configured server less platform in AWS using **Lambda function** for alarms DLM and backup
 - Integrated services with servers to build production ready architecture
- ✓ Performance optimization, cost optimization, capacity management solutions
- ✓ Acquired knowledge on **Puppet and Chef**
- ✓ Collaborate with Project Managers, Business User, and Developers to coordinate in project development
- ✓ Developed **PaaS, IaaS** or Cloud Orchestration solutions
- ✓ Developed full-fledged **PHP application** in Linux server
- ✓ Traveled across locations for training and consultation

ACCOLADES

- ✓ **Google Cloud Certified** – [Professional](#) and [Associate Cloud Engineer](#)
- ✓ **Google Cloud Certified:** [Architecting in Google Cloud Platform](#)-Coursera
- ✓ Awarded as **Tech champion** for web development using PHP and Python language
- ✓ Recognition across organization as a presenter and demonstrator on automation-meetup: **Google Kubernetes Engine**

Academic Qualification

Month & Year Of Passing	Institute Name & Location	Qualification Code	Branch Code1	University Code	CGPA/%
01 May 2009	DELHI PUBLIC SCHOOL	Secondary School Leaving Certificate	General	Secondary Education Examination Board	82%
01 May 2011	MOTHER'S PUBLIC SCHOOL	Pre-University Course	PCMB	Higher Secondary Education Examination Board	73%
01 May 2015	INSTITUTE OF TECHNICAL EDUCATION AND RESEARCH	Bachelor Of Technology	Elec. & Comm. Engg	Siksha O Anusandhan University	8.6
01 Jan 2019	BITS PILANI	Master Of Technology	Software Systems	Birla Institute of Technology and Science	7.5