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# PRONOMITA DEY

Website
Linkedin
Personal Blog

## EMPLOYMENT

**DevOps Engineer**                                    **Simpl**                                    **Nov 2022 - Present**

- *AWS Cost Optimisation* - Month on month cost reduced by 30% effective 1st month.
- Created *cost visualization dashboard* for tracking service and solution wise AWS infra costs.
- Supported *LIVE DB upgrades* with minimal downtime on production stack of Simpl's PayLater services
- Undertook infra provisioning and permissions setup for *Databricks* pipelines
- Migrated 3rd party legacy logging solution to *Opensearch* which saved 35% of monthly logging costs.
- Setup *ConcouseCI* and supported migration of CI/CD pipelines from CircleCI
- Worked on setting up *incident management using PagerDuty* and supported production on-calls
- *Automated* daily operational tasks using Python and Shell scripts - helped free up some bandwidth

**Cloud Associate 2**                        **PricewaterhouseCoopers SDC**                        **July 2021 - Oct 2022**

- Created and deployed CI/CD pipelines *AWS Developer Tools*.
- Defined infrastructure stacks for microservices using *AWS CDK in Python*.
- Developed e2e CI/CD pipelines on *Azure DevOps* for deploying Springboot microservices to AKS
- Managed multiple hosted compute and databases on *Azure Cloud*
- Integrated *SonarQube, Anchore and Veracode scans* into CI pipelines

**Systems Software Engineer II**                        **HP Inc.**                        **Aug 2018 - Apr 2021**

- Developed a *Python based service*(Release Automation) for HP's Web Print Platform - reducing deployment time by 80%
- *Dockerized* & Migrated ~20 microservices running on VMs to AWS EKS cluster
- Developed *CI/CD pipelines* for deploying microservices to a Kubernetes Cluster.
- Designed and implemented one-click Infra provisioning pipeline for microservices using *Terraform*
- Strategised and implemented deployment pipelines for *DR setup while ensuring High Availability*
- Enabling e2e monitoring using *Prometheus, Grafana, VictorOps & Splunk* which played a key role in adhering to SLI/SLOs.

## EDUCATION

**Computer Science Engineering**                **KIIT University, Bhubaneshwar**                **2014 - 2018**

- GPA: 8.2/10

## CERTIFICATIONS

- AWS Certified Solutions Architect - Associate
- AWS Certified Cloud Practitioner
- Microsoft Certified: Azure Fundamentals

## LANGUAGES AND TECHNOLOGIES

- Python, Bash Scripting, Git/Github
- Docker, Kubernetes
- AWS(IAM, S3, EC2, VPC, EKS, ECS), Azure Cloud
- Terraform, Cloudformation, Ansible
- Azure DevOps (ADO), ConcourseCI, CircleCI, Jenkins
- Prometheus/Grafana, Splunk, ELK, Pagerduty
- Kafka, NoSQL, MySQL, Elasticache