

Abhin Mankalale

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EDUCATION

• Birla Institute of Technology and Science

Bachelor of Engineering in Electrical and Electronics;

Goa, India

Aug 2015 – July 2019

SKILLS

- **Languages:** Java, Python, TypeScript
- **Cloud & DevOps:** GCP, AWS, Terraform, Github Actions, TeamCity
- **Frameworks:** Springboot, Flask, FastAPI, Angular, Node.js

EXPERIENCE

• Deustche Bank

Associate Software Engineer

Bangalore, Karnataka

Mar 2022 - Nov 2024

- **Cloud Migration:** Developed the bank's portal for provisioning Landing Zones for Google Cloud Platform, building the backend code required which was instrumental in the hybrid cloud journey of the bank
- **Integeeration & Development:** Developed the workflow for creation of active directory groups for seamless integration of users required for provisioning of Landing Zones
- **Development:** Helped create the activity log for communication between teams to help verify the steps involved in the Landing Zone creation process
- **Monitoring & Observability:** Implemented an end-to-end monitoring and reporting solution for cloud applications, harnessing the capabilities of Google Cloud Platform APIs and Grafana to gather and visualize crucial usage metrics for applications across the organization
- **Automation & Toil reduction:** Developed the bank's SRE support automation solution, eliminating over 300 hours of toil per month
- **CI/CD & Process Optimization:** Implemented Continuous Integeration/Continuous pipeline for the applications with GitHub Actions, resulting in a 60% reduction in deployment time, integrated them with the SDLC and Veracode pipelines for quality checks and evidence collection

• Deustche Bank

Technology Analyst

Bangalore, Karnataka

July 2019 - Feb 2022

- **Process Optimization:** Designed and upgraded the self-service VM modification tool (eliminating the need for tedious manual vendor process and costs) and reduced the turnaround time for upgrades from 3 weeks to 5 minutes
- **Development:** Implemented custom VM segregation and placement logic (having dedicated hosts for Linux and Windows) reducing ESXI and Microsoft licensing costs which helped save over €2.2 million yearly
- **Automation & Toil reduction:** Implemented Automation pipelines with Ansible, for resolving priority incidents, which helped resolve issues on server outages, drive space. This helped reduce manual intervention of resolving such incidents by 90%
- **Security & Compliance:** Refactored the codebase and fixed the security vulnerability of handling decryption of API keys manually, using Jasypt library in java. This allowed seamless management of API keys for the bank's internal VM platform
- **CI/CD & Process Optimization:** Established Continuous Integeration/Continuous Delivery pipelines for the bank's internal VM provision portal using TeamCity, reducing the deployment time by 90%. Helped integrate SonarQube to improve code quality assurance

PROJECTS

- **Software Engineer Intern at Infinity Labs UST Global:** Used OpenCV3 to extract the license plate and extract the digits with a CNN based classifier implemented in tensorflow. Using this, created a proof of concept pipeline for Toll booth management to verify a user's license plate.