

Arnab Dey

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Summary

- Accomplished DevOps Engineer with **8+ years** of experience in public cloud environments and a solid **14-year** IT foundation. Skilled in designing, implementing, and managing **CI/CD pipelines** to optimize software quality and deployment speed in **public and hybrid cloud** settings.
- Expert in **Azure DevOps, Jenkins, Kubernetes, Docker, GitHub, GitHub Actions, Ansible, and Terraform**, with strong scripting abilities in **Bash, Python, and PowerShell** for automated deployment and infrastructure management. Proficient in the **SAFe framework and Product Owner** roles, aligning product vision with stakeholder expectations.
- A **proactive problem solver** with a focus on **performance monitoring and cloud security**. Renowned for fostering collaboration, mentoring, and promoting DevOps best practices throughout the development lifecycle.

Skills/Technologies that I work/worked with:

Linux, Shell Scripting (bash), **Azure DevOps, Azure Cloud, Jenkins, Gitlab CI, GitHub Actions**, VMWare, ELK stack, **Docker, Kubernetes, Terraform**, Ansible, Python, Database (Mysql/MongoDB), **Jira**, Miro.

Experience

Cloud Engineer - 'Stena Metall AB' : August 2024 - January 2025

- Upgraded the **Cloud Adoption Framework** (from v5.2.1 to v6.0.0) and enhanced **RBAC strategy** in accordance with **Azure Governance** standards.
- Conducted security audits on Azure-provisioned resources per **Azure Advisor** recommendations, automating tasks using **Terraform and Azure Pipelines**, and aligning with Microsoft Cloud Adoption Framework for Azure (CAF).
- Supported cloud platform operations, resolved incidents and SRs as per SLA from the 'Cloud Office' dashboard in Ivanti, and performed necessary bug fixes, updates, and optimizations.
- Utilized Terraform with Azure Pipelines for Azure Governance tasks, and maintained a backlog in the **Azure DevOps Kanban board** to address technical vulnerabilities, security threats, or unnecessary costs.
- Worked extensively with Microsoft Azure services including **Logic Apps**, IaaS, PaaS, network services, security services, and **Entra ID** (formerly Azure AD).

Senior Software Engineer (DevOps) - 'Capgemini Sverige AB' : Sep 2021 → July 2024

- Implemented CI/CD pipeline automation using **Azure DevOps**, enhancing deployment efficiency and consistency.
- Upgraded On-prem hardware cluster to **Kubernetes cluster** using Ubuntu server(LTS), xCAT, **Rancher Server and Rancher Kubernetes Engine(RKE)**.
- Created and prioritized backlog in **Azure DevOps** that aligns with the product vision and delivers value to sponsors and users.
- Worked on MLOps platform (developed on an in-house architecture) to figure out solutions for the AI Agile Release Train.
- Created development environment and feature for scalable computing of Azure Databricks clusters using **IaC (Terraform) and GitOps**.
- Defined and managed the product vision and strategy, based on stakeholder/sponsors' needs.
- Collaborated closely with the scrum teams and the scrum master to plan and execute sprints, review the work done, and provide feedback and guidance.
- Communicated with the sponsors regularly to gather feedback, validate assumptions, and demonstrate the product increment.

Senior Business Consultant (DevOps) – 'Tech Mahindra' : Feb 2017 → Sep 2021

- Performed a wide range of activities such as providing solutions and implementing CI/CD pipeline for business applications hosted on **public/Hybrid** cloud platform, orchestrating Microservices using **Docker, Kubernetes(Rancher and Bare Metal)** and also by implementing **GitFlow**.
- Worked with **Azure DevOps, Jenkins, Gitlab**(as per requirements) and performed Continuous Integration/Continuous Development.
- Responsible for Log search, indexing and management using tools like Elasticsearch, Logstash, Kibana.
- Automated regular activities by writing Shell (bash) scripts, automated infrastructure provision through Terraform for hybrid cloud platforms and also resolved escalated issues.
- Accountable for preparing operational documentations, deployments SOPs and architectural diagrams.

Senior AEM Administrator (Cloud) – 'ICF Next' : Sep 2015 → Jan 2017

- Managed and optimized AWS cloud infrastructure for multiple clients, ensuring seamless performance across Production, Stage, and UAT environments with Ansible and Shell scripting, reducing system downtime.
- Developed and maintained disaster recovery protocols, enhancing system resilience at both application and infrastructure levels, improving recovery time.

- Implemented automation scripts to streamline cloud operations, resulting in a increase in operational efficiency.

Unix/Linux Systems Administrator – 'Hewlett Packard Enterprise' : Nov 2011 → Aug 2015

- Administered Unix-based cloud and on-premise **VMware** platforms, ensuring optimal performance and reliability for a majortransportation and logistics firm.
- Developed and implemented Standard Operating Procedures (SOPs) and UML architectural diagrams to enhance deploymentefficiency and system architecture clarity, reducing system runtime.
- Enhanced system performance and reliability, reducing system runtime through effective administration and implementation ofSOPs and UML diagrams.

Linux Systems Engineer – 'Axon Networks' : May 2011 → Oct 2011

- Managed the installation and configuration of over 100 Linux-based servers, enhancing system performance through effective troubleshooting and performance tuning.
- Executed system upgrades and downgrades seamlessly with minimal downtime, ensuring high availability for a leading online retail platform.
- Conducted regular maintenance and optimisation of systems, resulting in a increase in operational efficiency.

Jr. System Administrator – 'Bobcares' : Nov 2009 → June 2010

- Managed and maintained Linux VPS environments, ensuring high availability and performance for clients.
- Configured and optimized DNS, DHCP, and SMTP servers to meet specific organizational needs.
- Diagnosed and resolved RAID and LVM issues, improving system reliability and minimizing downtime.

Education

B. Tech in Computer Science – West Bengal University of Technology 2005 → 2009

- The curriculum provided an extensive foundation in computer science principles, fostering skills essential for Network engineering and system administration.

Certifications

Microsoft Certified: Azure Fundamentals

- Microsoft • 801D970BAA49297 • Issued Mar 2023