

# Arnab Dey

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## Professional Summary

DevOps Engineer with 8+ years of experience building and automating **Azure cloud platforms** with a focus on **security, scalability, and developer enablement**. Skilled in **RBAC**, infrastructure as code with **Terraform**, CI/CD automation, and Kubernetes orchestration. Experienced in implementing **Azure best practices**, including elements of the Cloud Adoption Framework (CAF), and improving operational visibility through advanced monitoring and logging.

Additional experience with **AWS** and **OpenStack** cloud platforms, enabling hybrid and multi-cloud solutions. Passionate about streamlining workflows, enhancing reliability, and enabling teams to deliver high-quality solutions efficiently.

## Core Skills

- **Cloud Platforms:** Azure (Entra ID, RBAC, Logic Apps, Cloud Adoption Framework), AWS, OpenStack
- **Infrastructure as Code (IaC):** Terraform, ARM templates, GitOps (ArgoCD)
- **CI/CD Pipelines:** Azure DevOps, GitHub Actions, Jenkins
- **Containers & Orchestration:** Kubernetes (Rancher, K3s), Docker
- **Monitoring & Observability:** Azure Monitor, App Insights, Prometheus, Grafana, ELK Stack, KQL
- **Identity & Security:** Entra ID, Role-based access controls, policy automation
- **Scripting & Automation:** Python, Bash, PowerShell
- **Ways of Working:** Agile/SAFe, DevOps mentoring, documentation, cross-team collaboration

## Professional Experience

### DevOps Engineer – AFRY Digital Solutions AB *(May 2025 – Present)*

- Designed and deployed a **GitOps-based single-node Deployment platform** with ArgoCD, K3s, Prometheus, Grafana, sealed-secrets, and cert-manager.
- Built **RPA workflows** in Power Automate for automation of data collection.
- Maintained the GitOps platform as a live demo project ([GitHub repository](#)).

### Cloud Engineer – Stena Metall AB *(Aug 2024 – Jan 2025)*

- Enhanced **Azure platform security** by implementing **RBAC, Entra ID policies**, and role-based access controls.
- Automated infrastructure provisioning using **Terraform and Azure Pipelines**, reducing manual work by **40%**.
- Developed reusable Terraform modules to standardize infrastructure delivery ([GitHub repo](#)).

- Strengthened monitoring and incident management with **Azure Monitor, App Insights, and KQL**, improving response times and operational visibility.
- Supported adoption of Azure best practices, including elements of the **Cloud Adoption Framework (CAF)**.

## **Senior Software Engineer (DevOps) – Capgemini Sverige AB** *(Sep 2021 – Jul 2024)*

### **Assignment: Volvo Cars Car Safety R&D**

- Designed and optimized **CI/CD pipelines in Azure DevOps**, reducing release cycle times by **30%**.
- Automated **Azure Databricks scaling** with Terraform and GitHub Actions.
- Upgraded infrastructure for **Kubeflow workloads** with Kubernetes and Rancher, improving platform scalability and performance.

### **Internal Initiatives**

- Acted as **Product Owner**, prioritizing backlogs and aligning DevOps projects with business needs.
- Developed an (sanitized) **AI-powered Resume Builder Agent** ([GitHub repository](#)).
- Maintained a **DevOps automation toolkit in Python** ([GitHub repository](#)).

## **Senior Business Consultant (DevOps) – Tech Mahindra** *(Feb 2017 – Sep 2021)*

### **Assignment: Deutsche Telekom**

- Delivered hybrid cloud automation using **OpenStack** for scalable deployments.
- Built and managed **Jenkins-based CI/CD pipelines** supporting microservices running on Kubernetes and Docker.
- Centralized observability with **ELK stack** and improved system reliability through infrastructure automation with Terraform and Ansible.
- Published a sanitized **OpenStack DevOps toolkit** for internal use ([GitHub link](#)).

## **Senior AEM Administrator (Cloud) – ICF Next** *(Sep 2015 – Jan 2017)*

- Administered AWS and VMware platforms, increasing uptime by **15%**.
- Automated repetitive tasks with Ansible and shell scripting.

## **Unix/Linux Systems Administrator – Hewlett Packard Enterprise** *(Nov 2011 – Aug 2015)*

- Managed large-scale **Linux and VMware environments**, improving performance and reliability.
- Authored SOPs and runbooks, reducing incident response time by **20%**.

## **Linux Systems Engineer – Trianz (Axon Networks)** *(May 2011 – Oct 2011)*

- Installed and optimized **100+ Linux servers**, ensuring uptime and scalability.

## **Jr. System Administrator – Poornam Info Vision (Bobcares)** *(Nov 2009 – Jun 2010)*

- Maintained **Linux VPS environments**, providing high availability and troubleshooting critical incidents.

## Education

- **B.Tech in Computer Science** – West Bengal University of Technology, Kolkata, India (2005 – 2009)

## Certifications

- **Microsoft Certified: Azure Fundamentals** (Issued Mar 2023) – Credential ID: 801D970BAA49297

## Languages

- English: Bilingual / Native
- Swedish: SFI C Level Proficiency