

# Arnab Dey

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## Professional Summary

Senior DevOps & Platform Engineer with 8+ years of experience designing and operating cloud-native platforms in enterprise environments.

- Skilled in Azure DevOps, Jenkins, Kubernetes, Docker, GitHub, GitHub Actions, Ansible, and Terraform.
- Proficient in scripting with Bash, Python, and PowerShell for automated infrastructure management.
- Proven track record in platform scalability, observability (Prometheus, Grafana, Log Analytics), and DevSecOps practices to deliver secure, resilient systems.

## Core Skills

- Cloud Platforms: Azure, AWS, OpenStack
- CI/CD Tools: Azure DevOps, Jenkins, GitLab CI, GitHub Actions
- Orchestration & Containerization: Kubernetes, Docker, Rancher
- Configuration Management: Ansible
- Scripting Languages: Bash, Python, PowerShell
- Monitoring & Logging: Prometheus, Grafana, Azure Monitor, ELK Stack (Elasticsearch, Logstash, Kibana)
- Infrastructure as Code (IaC): Terraform, ARM templates
- Version Control: GitHub, GitLab
- Virtualization: VMware
- Operating Systems: Linux, Unix

## Professional Experience

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

- Designed and deployed a **single-node GitOps-based DevOps platform** on Dell PowerEdge R540 with **K3s, Argo CD, Prometheus, Grafana, cert-manager, and sealed-secrets** for automated, version-controlled environment provisioning.
- Built **RPA workflows in Power Automate** to scrape tender data from **Tendsign's dynamic web pages**, supporting business process automation.
- Maintained the GitOps platform as a live project ([GitHub repository](#)).

### Cloud Engineer – Stena Metall AB *(August 2024 – January 2025)*

- Upgraded the **Azure Cloud Adoption Framework** (v5.2.1 → v6.0.0) to strengthen governance and compliance.
- Conducted **security audits** and automated infrastructure tasks with **Terraform** and **Azure Pipelines**, reducing manual intervention by **40%**.
- Monitored platform patterns and anomalies using **KQL**, resolving incidents within SLAs and cutting downtime by **20%**.

- Managed Azure services including **Logic Apps, IaaS, PaaS, and Entra ID (Azure AD)**.
- Published **sanitized duplicates of production infrastructure projects**, including:
  - An **IaC governance template** to demonstrate Azure governance practices without exposing company data ([GitHub repository](#)).
  - A **reusable Terraform module library for Azure infrastructure** ([GitHub repository](#)).
  - An **Azure cost optimization template** for automated cost analysis and recommendations ([GitHub repository](#)).

## **Senior Software Engineer (DevOps) – Capgemini Sverige AB** *(September 2021 – July 2024)*

### **Assignment: Volvo Cars Safety Department**

- Implemented **CI/CD pipeline automation** with **Azure DevOps**, reducing deployment time by **30%**.
- Upgraded on-prem hardware to support **Kubeflow** platform using **Ubuntu, xCAT, and Rancher RKE**.
- Automated **Azure Databricks** cluster scaling using **Terraform** and **GitHub Actions**.

### **Internal Initiatives**

- Acted as **Product Owner** for internal initiatives, prioritizing backlogs and aligning deliverables with stakeholder vision.
- Led the **AI-powered Resume Builder Agent** project as a Product Owner and published a **sanitized version** to showcase workflow automation concepts ([GitHub repository](#)).
- Maintained an **internal DevOps Python automation project** to streamline infrastructure tasks ([GitHub repository](#)).

## **Senior Business Consultant (DevOps) – Tech Mahindra** *(February 2017 – September 2021)*

### **Assignment: Deutsche Telekom**

- Deployed **CI/CD pipelines** using **Jenkins** and **Azure DevOps** for applications on public and hybrid cloud platforms.
- Automated **microservice orchestration** with **Docker** and **Kubernetes**, improving resource utilization by **25%**.
- Managed the **ELK stack** for centralized logging and product data indexing.
- Reduced operational overhead by **20%** through automated platform/infrastructure provisioning using **Terraform** and **Ansible**.
- Published a **sanitized version** of the project's OpenStack DevOps solution, showcasing provisioning, monitoring, and automation workflows ([GitHub repository](#)).

## **Senior AEM Administrator (Cloud) – ICF Next** *(September 2015 - January 2017)*

- Managed AWS cloud and VMware infrastructure, improving uptime by 15% through optimized resource management.
- Automated cloud operations with Ansible and Shell scripting.

## **Unix/Linux Systems Administrator – Hewlett Packard Enterprise** *(November 2011 - August 2015)*

- Administered Unix-based cloud and on-prem VMware platforms, enhancing system performance and reliability.
- Developed SOPs and UML diagrams, reducing incident response time by 20%.

**Linux Systems Engineer – Axon Networks**(Now Trianz) (*May 2011 - October 2011*)

**Jr. System Administrator – Bobcares**(AKA Poornam Info Vision) (*November 2009 - June 2010*)

## Education

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

## Certifications

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

## Languages

- English: Bi-lingual or Native Proficiency
- Swedish: SFI C level proficiency