

## Contact

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## Top Skills

Technology Management  
Artificial Intelligence (AI)  
Cross-functional Team Leadership

## Languages

Bengali (Full Professional)  
English (Full Professional)  
Hindi (Professional Working)

## Certifications

RHCE (RedHat Certified Engineer)  
RHCSA (RedHat Certified System Administrator)

# Arnab Mukhopadhyay

Generative AI user with Cloud and DevOps enthusiast  
Bengaluru, Karnataka, India

## Summary

Generative AI fanatic user, incorporating generative AI (predominantly using copilot with Claude, GPT5, Gemini) in everyday life to boost productivity. Easing out testing, validating and planning. Translating business needs in technical goals for teams. Enabling team to adapt AI in everyday use. With over three years of experience, our team leads strategic AWS and cloud transformation initiatives, achieving cost optimization through infrastructure redesign and automation. We enable enterprise security compliance aligned with NIST, CIS, and Qualys standards while implementing advanced frameworks like Terraform and Ansible to enhance scalability and operational efficiency. Collaborating with cross-functional teams, we drive the adoption of Kanban and DevOps methodologies, significantly improving deployment workflows. By partnering with stakeholders, we define IT roadmaps that align cloud strategies with corporate objectives, delivering secure, scalable, and innovative solutions that empower organizational success.

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## Experience

### LSEG

#### DevOps Engineer

September 2025 - Present (6 months)

Bengaluru

- \* Manage and maintain the operational integrity of systems and connectivity to BSE, NSE, Hong Kong Stock Exchange, and Tokyo Stock Exchange.
- \* Coordinate extensively with on-site support teams and third-party monitoring teams to ensure seamless operations.
- \* Act as a primary liaison between internal teams and external entities, including the exchanges themselves, clients, and regulatory bodies.
- \* Translate complex business requirements, compliance mandates, regulatory changes, and future development initiatives into streamlined, acceptable technical solutions.

- \* Facilitate clear and effective communication with all stakeholders, both internal to the company and external regulatory bodies, ensuring alignment and understanding of operational status, changes, and strategic direction.
- \* Proactively identify and address potential operational risks, performance bottlenecks, and compliance gaps.
- \* Participate in incident management, problem management, and change management processes, ensuring minimal impact on critical services.
- \* Contribute to the continuous improvement by implementing automated testing, reducing testing time from 2 weeks to 4 days, automating 85% of the process.
- \* Use of GenAI in everyday use to test code, create and update tickets , create project plan, update and create documentation.
- \* Use of GenAI to validate and test used-cases to foresee issues and gaps in delivery. Resulting in increased productivity and faster delivery.

## State Street

### Manager

July 2022 - August 2025 (3 years 2 months)

Bengaluru, Karnataka, India

- Spearheaded AWS and cloud transformation initiatives, optimizing cost by 30% through strategic infrastructure redesign.
- Develop maintain and preform code for upgrades of EOL RHEL7 to upgraded to RHEL8
- Coordinate with Stake holders for the upgrade and operations
- Led cross-functional teams of 15+ engineers, driving Kanban and DevOps adoption to improve deployment efficiency by 40%.
- Managed enterprise security compliance, ensuring NIST, CIS and Qualys certification for cloud-based solutions.
- Implemented automation frameworks (Terraform, Ansible) to enhance infrastructure provisioning and scalability.
- Partnered with business units to define IT roadmaps, aligning cloud strategies with corporate objectives.
- Mange contract with RedHat for support and licensing with True-up.

## WorkFusion

3 years 1 month

Lead Cloud Engineer

January 2022 - June 2022 (6 months)

Bengaluru Area, India

- # Responsible for Architecting AWS // GCP architecture for our SAAS customers.
- # Getting security and architectural approval from clients.
- # Getting SOC1 and 2 approvals and compliance from security and 3rd party security firms.
- # Managing certificates and providing certificates.
- # Provide client with Assessment, Planning, Migration and Operational SLA and SLOs for the WorkFusion Product as a SAAS solutions.
- # Provide and setup monitoring solutions with auto-creation of ticket via ELK, AWS Cloudwatch, Datadog, Dynatrace, Nagios.
- # Addressing problems, during setup and escalated problems of AWS and WorkFusion Application on L3 and L4 level.
- # Setting up VPC, EC2, RDS, Route53, AWS DS, AWS EFS, AWS CloudWatch, SSM, SNS, SMS, AWS CM, S3, S2S, ECS fargate.
- # Creating and or modifying playbooks and scripts for specific customer requirement and used cases.
- # Co-ordinating, heading, leading and mentoring a team of 17 members to perform the tasks of Cloud and SRE domain.
- # Maintain and configure of AWS DS services for WF SaaS.
- # Work with close coordination with product team to add new features and development of the product.
- # Creation of EPIC and Stories and associate proper weightage to each of them.
- # Approve and review MR or PR for new changes and addition to the documents on git for the team.
- # Review daily build report and coordinate with team on issues and help them fix glitches, bugs and security reports.
- # Setting up daily standup, setting sprint goals and onboarding new joiners to be up and running with the team needs.

## Sr Cloud Engineer

June 2019 - December 2021 (2 years 7 months)

Bengaluru, Karnataka, India

Plan and deploy WorkFusion product on AWS, Azure and GCP and customer DC

# Modify, create ansible codes to meet specific requirements of the customer.

# Code using shell, ansible, terraform and Python.

# Build and maintain Jenkins pipelines using gradle and shell.

# Perform maintenance and tune WF product to obtain stability and vulnerability mitigation.

# Working with Kibana to create dashboard and alerts for system and application issues.

# Worked on LDAP for SSO integration with WorkFusion application.

# Implementation of Cloud Watch, EC2, AutoScaling, ECS

# Create, update or delete DNS using Route 53

# Setup NFS, EFS with SSL for data transfers.

# Setup encryption and decryption tools for application use.

# Maintain, update, and deploy SSL for the application.

# Add and maintain monitoring using Zabbix, Kibana and Nagios on event-action basis.

# Setup of VPN connection from cloud to DC on customer network.

# Setup and modification of SSM for system maintenance.

# Backup using snapshot, AMI using AWS lambda and System level shell scripts.

# Configure VPC, NACL, SG with VPC peering, VPN and site-to-site.

# Audit, and maintenance of patching using Nessus tools.

## Oracle

Senior Member Of Technical Staff

September 2018 - May 2019 (9 months)

Bengaluru Area, India

- Code using ansible, shell, terraform, gradle and rest-api for IDCS.

- Develop Infrastructure as a code for Oracle cloud (DevOps)

- Maintain and Build CI/CD pipeline using TeamCity, Jenkins.

- Work on Bugs and Epic issues and provide resolution.

- Guide team in case of any issues.

- Design and deploy infrastructure as code for Stage, preprod and prod environment.

- Apply SSH key, token based authentication.

- Design fault tolerant and high availability multi AZ system design.

- Design, implement and modify blueprint for the customer requirements.
- Implement microservice in docker and Kubernetes for deployment.
- Update and maintain DNS and sec-rules
- Security scan and fix the issue in code related to Infra.
- Provide git and bitbucket forward merge (MR and PR).
- Reporting to the management for the Green build for various versions of the IDCS code.
- Maintain stringent Security groups and NACL for the audit management and code and infra security.

## Simeio Solutions

### Consultant - Devops

November 2016 - August 2018 (1 year 10 months)

Bengaluru Area, India

AWS infra maintain, implementation, Linux servers, Application deployment on tomcat, Linux cluster, Shell scripting, Python Scripting, AWS Infra Architecture, Site to site configuration, Certificate Management, AWS EC2, S3, Route 53, SES, SQS, Cloudwatch, Production Support, Production Design, IAM management,

## Edifixio India Pvt. Ltd.

### Application Engineer

February 2015 - October 2016 (1 year 9 months)

Unix system administrator, AWS EC2, Nagios, apache (modulation), iptables, LVM, shell scripting, tomcat, Java based application, SELinux, Centron, openldap, ccm, Azure, Reverse proxy configuration, WebSphere configuration. Ansible, SVN,

## Net Connect Pvt Ltd

### Unix Administrator

August 2013 - September 2014 (1 year 2 months)

Unix administrator of IBM Data center ( IGA-X1D )

## Sai InfoSystem India Ltd

### Technical Support Engineer

August 2012 - July 2013 (1 year)

Kolkata

NMEICT Project of BSNL, & BFSI projects of Banks, GIL project

## Education

Bengal Institute of Technology & Management

Bachelor of Technology (B.Tech.), Electronics and Instrumentation  
Engineering · (2007 - 2011)

St. Augustines' Day School, Shyamnagar

I.S.C (10+2), Science · (2006 - 2007)