

# NADEEM ALI

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## SUMMARY

Site Reliability Engineer with 10+ years in trading systems support, DevOps, and cloud infrastructure. Specialized in building resilient, automated, and scalable systems across AWS and hybrid environments. Skilled in Python, Shell, Terraform, Kubernetes, and CI/CD pipelines, with proven success driving 99.9%+ uptime, reducing incident detection by 35%, and cutting deployment time by 30%. Experienced in incident response, observability (Prometheus, Grafana, Geneos), and cloud migrations, aligning reliability engineering with business-critical outcomes.

## EDUCATION

**Bachelor of Technology**, Dr. A.P.J. Abdul Kalam Technical University  
Relevant Coursework: Computer Science and Engineering

Aug 2010 - Jun 2014

## SKILLS

SRE & Reliability	Incident response, root cause analysis, SLO/SLI/SLA design, postmortems, high availability
Automation & Infra-as-Code	Python, Shell, SQL, Terraform, CloudFormation, Autosys, Control-M
Cloud Platforms	AWS (EC2, S3, RDS, IAM, CloudWatch, DynamoDB), Azure (VMs, Monitor, AKS), Kubernetes, Docker
CI/CD & DevOps	Jenkins, GitLab CI, GitHub Actions, Azure DevOps
Monitoring & Observability	Prometheus, Grafana, ELK, ITRS Geneos, CloudWatch
Trading Systems (Domain Expertise)	Charles River OMS, FIX Protocol, equity derivatives, FX, LUSID, Neoxam
Processes & Tools	ITIL Certified, Agile, Jira, Confluence, Git, Linux/Unix

## EXPERIENCE

**Technical Specialist**  
Fidelity International

Jan 2023 - Present  
*Gurgaon, IN*

- Engineered real-time monitoring automation with ITRS Geneos, reducing mean incident detection time by 35%.
- Built CI/CD pipelines in Jenkins for trading applications (Charles River OMS), accelerating deployments by 30% while ensuring zero-downtime rollouts.
- Managed and optimized AWS infrastructure (EC2, S3, RDS) for high-frequency trading workloads, improving performance and reducing costs.
- Led incident response and root cause analysis (P1/P2 issues), reducing recurring incidents by 25% and maintaining 99.9% uptime.
- Automated health checks and operational runbooks (Python/Shell), cutting manual workload by 40%.
- Proficient in analysing, managing and integrating Charles River Trading platform, OMS and FIX Protocol.
- Mentored new hires and served as SPOC for change management and DevOps coordination.

**Support Engineer III (DevOps Engineer)**  
Amazon India

Mar 2022 - Jan 2023  
*Bangalore, IN*

- Automated patching workflows via Jenkins pipelines, improving deployment speed by 20%.
- Enhanced observability by integrating AWS CloudWatch & DynamoDB monitoring, improving system reliability.
- Built auto-healing Python scripts to resolve 60% of repetitive tickets automatically.
- Led root cause analysis for production issues, reducing recurrence rate by 15%.
- Provisioned AWS infrastructure with Terraform, ensuring consistent and scalable deployments.

## Senior Analyst Programmer

Fidelity International

Feb 2018 - Mar 2022

Noida, IN

- Supported business-critical trading platforms (L2 support), resolving 600+ incidents annually with 95% first-call resolution.
- Automated monitoring scripts (Python, Shell), reducing manual checks by 50%.
- Configured ITRS Geneos dashboards for real-time observability and proactive incident prevention.
- Assisted in cloud migration to AWS with CloudFormation templates, ensuring scalability and resilience.

## Software Engineer

Deutsche Bank

Dec 2014 - Jan 2018

Pune, IN

- Supported equity trading platforms with high availability, resolving 400+ incidents annually.
- Automated trade booking and P&L reports using Python, boosting speed and accuracy by 30%.
- Partnered with infra teams to evaluate cost-effective technologies while ensuring system reliability.

## PROJECTS

**CI/CD-Driven SRE Portfolio.** Designed and deployed a personal portfolio site using GitHub Actions and Pages with fully automated build and deployment pipelines — demonstrating end-to-end CI/CD automation. ([Live Project](#))

**Cloud-Native Trading Infrastructure.** Built resilient CI/CD pipelines and automated health checks for Charles River OMS, achieving 99.9% uptime. ([Charles River](#))

**Amazon Seller Support Reliability.** Developed Python-based self-healing tools, reducing manual ticket load by 50%. ([Amazon Seller](#))

**Monitoring Dashboards.** Configured Prometheus + Grafana for real-time monitoring of trading workloads.

**Research Management System.** Optimized workflows and automated SQL queries for faster analyst research.

**Imagine DB (Deutsche Bank).** Ensured reliability of equity trade booking and P&L reporting systems; implemented monitoring and alert automation for mission-critical operations.

**Airflow Snowflake ETL Pipeline.** Self-initiated project — 2025

- Designed and implemented a modular ETL pipeline using Apache Airflow and Snowflake, containerized with Docker.
- Developed a DAG to fetch weather data every 10 minutes from an API and load it into Snowflake.
- Resolved common Airflow deployment issues (SQLite limitations, scheduler initialization).
- Version-controlled the project on GitHub, removed sensitive credentials, and added a clear README.
- **Skills used:** Airflow, Snowflake, Python, Docker, Git, VSCode.

## CERTIFICATIONS

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- Google Cloud Fundamentals: Core Infrastructure
- Snowflake Hands-On Essentials (Data Warehousing, Collaboration, Data Applications, Data Lakes, Data Engineering) – In Progress
- Academy Accreditation - Generative AI Fundamentals
- AWS Certified AI Practitioner (Early Adopter)
- DevOps Foundation

## EXTRA-CURRICULAR ACTIVITIES

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- Sharpening SRE skills via GitHub projects in AWS, Terraform, Kubernetes; contributing to open-source monitoring tools (Prometheus, Grafana).
- Actively working on AWS/DevOps Git projects.