

# Nikhil Kachhela

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## Profile

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- Experienced Cloud Engineer with a strong track record in data migration, infrastructure provisioning and managing across multiple cloud platforms. Proficient in supporting, automating, and optimizing mission-critical deployments across AWS and GCP. Skilled in infrastructure-as-code using Terraform, currently focused on handling blockchain environments in AWS, GCP, and on-premises.
- 3x AWS Certified Solutions Architect – Professional, Associate and Cloud Practitioner.

## Education

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**Northeastern University, College of Engineering - Boston, MA**

Sep 2025 – Present

Master of Science in Information Systems

**University of Mumbai, Thadomal Shahani Engineering College**

Aug 2016 – Jun 2020

B.E. Information Technology

6.89 CGPA

## Work Experience

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**JPMorgan Chase & Co - Associate Software Engineer**

Apr 2022 – Aug 2025

**Platform Engineer – Blockchain Technology**

- Onboarded 15+ clients to the blockchain infrastructure by gathering requirements and coordinating cross-team deployments for seamless integration.
- Implemented and automated HashiCorp Vault across AWS EC2 and EKS using Terraform, reducing manual setup time by 60% and enabling secure access with AWS Auth and JWT Method.
- Built Lambda-based error alerting system scanning 10K+ daily Application log entries, improving incident response time by 70%.
- Collaborate network connectivity establishment between on-premises and AWS environments.
- Managed daily Terraform deployments using Terraform SaaS, creating and updating modules, implementing configuration changes, and deploying across multiple environments reducing manual configuration efforts by 40%.
- Migrated over 20 TB of data from on-prem to AWS using DMS, S3/EFS Mount, and Data Sync, improving data access speed by 50%.
- Deployed Qlik Sense Enterprise on GCP by provisioning Windows VMs, VPCs, and storage, enabling centralized analytics for 100+ users across platforms.
- Managed SSL certificate lifecycle, user permissions (Jira/Confluence), and infrastructure documentation to support security, compliance, and audit requirements.
- Enhance Security Functions for block chain Application and API protections against DDOS & WAF using Akamai.
- Enhanced monitoring setup with Orion/Zenoss (on-prem) and OpenSearch, Datadog, CloudWatch and Grafana (AWS), covering 100+ services and hosts across blockchain environments.
- Deployed and managed EKS clusters with Argo CD and integrated HashiCorp Consul for service mesh, KV store and ACLs, improving network reliability and security across clients.
- Deployed Apica with OTel and Fluent Bit, improving observability and log tracing in blockchain systems.
- Created detailed monthly cost reports using Apptio and set up AWS budget alerts using AWS Cost Explorer, contributing to a 25% reduction in avoidable cloud spend.

**Anand Rathi Wealth Management – Fintech**

Jan 2021 – Apr 2022

**DevOps Engineer**

- Built, maintained, and scaled infrastructure for production, pre-production, and test environments supporting critical FinTech applications.
- Deployed AWS Graviton-based EC2 instances, improving performance by 7x and reducing storage costs by 20%.
- Designed and implemented serverless architectures using API Gateway, Lambda, and DynamoDB.
- Automated infrastructure provisioning with Terraform, creating reusable modules for Lambda, EC2, S3, and Parameter Store etc. and enabled one-click disaster recovery setup.
- Migrated staging and test environments across AWS accounts, ensuring continuity and reducing downtime.
- Developed CI/CD pipelines with Bitbucket to streamline code deployment, automated testing and release processes to cut deployment time by 40%.
- Containerized applications with Docker on Linux/Windows servers to enable microservices, improve scalability, and optimize performance, established tagging standards for efficient identification and ownership of AWS resources.
- Optimized infrastructure costs by 20% through server rightsizing, scaling policies, and lifecycle automation.
- Enhanced monitoring by deploying Grafana, Kibana, and AWS CloudWatch, providing real-time visibility into infrastructure and applications.

- Improved code quality and security by integrating Codacy, SonarQube, and SonarCloud for automated static analysis, complexity checks, and unit test coverage.
- Strengthened operational workflows by managing production bugfixes and hotfixes through JIRA/Confluence with formal change management processes.
- Developed automation scripts in shell, Bash and PowerShell to simplify environment provisioning, log management, and routine admin tasks.

## NITS Informatics - Internship

Dec 2020 – Jan 2021

### AWS Engineer

- Communicated target architectural plans and company roadmaps across all departments.
- Designed and migrated applications to the cloud
- Implemented cost-control strategies

## Simmi Foundation – Internship

Aug 2020 – Sep 2020

### Web Developer

- Developed website using HTML, CSS, JavaScript, jQuery, Bootstrap and PHP to enhance functionality and user experience in web pages.
- Learned how to minify code, edited existing codes to improve browser compatibility and mobile responsiveness.

## Fern Partners – Internship

Aug 2020 – Oct 2020

### DevOps Engineer

- Configured, deployed highly available and scalable applications on AWS using EC2, RDS, S3, Elastic Load balancer.
- Auto-scaled and monitored applications with CloudWatch and SNS.
- Hosted several websites and applications on AWS

## Certifications and Trainings

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| ● AWS Certified Solutions Architect – Professional (SAP-C02).        | Oct 2023 |
| ● Scored 84/120 in TOEFL   | Aug 2024 |
| ● AWS Certified Solutions Architect- Associate (SAA-C02)             | Aug 2021 |
| ● AWS Certified Cloud Practitioner                                   | Jul 2020 |
| ● Practical Web Development certification                            | Oct 2020 |
| ● HTML, JavaScript, and Bootstrap certification                      | Sep 2020 |
| ● Certified from NIIT in C and Object-Oriented Programming using C++ | May 2016 |
| ● Scored distinction (78/100) in <i>MS-CIT</i> certificate           | Jul 2015 |
| ● Certified in <i>Web page designing</i> and <i>Core Java</i>        | Apr 2016 |
| ● Participated in TSEC <i>Code-storm</i> Hackathon                   | Sep 2018 |

## Technical Skills and Competencies

**Languages and Web Technologies:** C, C++, HTML, CSS, JavaScript, Bootstrap, Python, Bash scripting

**Database:** MySQL, PHP, PostgreSQL

**Hands-on experience in AWS Services:** EC2, Elastic Beanstalk, Lambda, S3, EFS, EBS, VPC, Private links, Route 53, CloudFront, Cloud watch, Load Balancer, Cloud Formation, IAM, DevOps, Autoscaling, Redshift, RDS etc.

**Proficient with various development, testing, IAC, and deployment tools** – Git, Jenkins, Docker, Argo CD, Kubernetes, Nagios, HashiCorp (Terraform, Consul & Vault).

**Networking:** DNS, Routing protocols (OSPF, BGP), Email hosting, TCP/IP, UDP, SMTP, Troubleshooting.

## Projects

### Personal Portfolio, Website

Oct 2020

Developed a Personal Portfolio responsive website with various animation using languages Html, CSS, JS, Bootstrap, PHP and hosted on AWS using services like EC2, ELB, and s3. [www.nikhilportfolio.cf](http://www.nikhilportfolio.cf) or ([13.233.120.116](http://13.233.120.116))

### Bluetooth Controlled Car, Arduino & Android Studio

Jan 2018 – April 2018

Implemented a project based on IoT that provides a wider range of control and more efficiency.

### Pizza Delivery System, Website

Jan 2019 – April 2019

Developed a pizza delivery system website that gives the user easy customization for their desired pizza order, using the languages html, CSS, JavaScript, php.

## Interests

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| ● Cloud Computing | ● Amazon Web Services | ● Traveling |
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## Personality Traits

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| ● Self-Motivated | ● Team Work | ● Flexible and Trustworthy |
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