

VATSALYA NAYAK



Solutions Architect | DevOps Engineer

PROFILE

Solution-oriented professional with experience in designing secure, scalable, and cost-optimized infrastructures across multi-cloud, hybrid, and on-premise environments. Skilled in Infrastructure as Code, Kubernetes (including GPU clusters), and CI/CD automation. Strong background in cost optimization, high availability, and aligning technical solutions with business needs, while promoting best practices and collaboration with stakeholders.

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🌐 [vts-nyk-104/](https://vatsnyak.in)

🗣 [vatsnyak](https://vatsnyak.in)

🌐 <https://vnayak.in>

Professional Experiences

● CLOUD/DEVOPS ENGINEER / SOLUTION ARCHITECT

Digitalent – Paris, France

From December 2024 to Present

- Deployed multi-cloud infrastructure (AWS, GCP, Azure, OVH, on-premises, hybrid) using Terraform.
- Managed 15+ microservices with Docker and Kubernetes, including GPU-enabled production clusters.
- Configured Kubernetes node pools for scalability, performance, and workload isolation.
- Built CI/CD pipelines with Jenkins and GitHub Actions for automated delivery, Improved deployment speed by 40%.
- Optimized cloud costs upto 50% while maintaining performance and availability.
- Secured infrastructure across network, application, and resource layers.
- Implemented monitoring and alerting systems for scalability and high availability.
- Aligned client business needs with technical solutions and best practices.
- Standardized infrastructure, CI/CD, and Kubernetes practices across all projects.

● CLOUD DATA ENGINEER

Ceres Advisory, Groupe Rainbow Partners – Paris, France

From April 2024 to December 2024

- Led the design and implementation of cloud infrastructure for an online banking system using AWS services, ensuring high security, scalability, and availability.
- Utilized AWS EC2, VPC, S3, and RDS to architect a reliable and secure cloud environment tailored for banking operations.
- Developed and deployed RESTful APIs with AWS Lambda in Java, enabling seamless integration of banking services.
- Built CI/CD pipelines with AWS CodeBuild, CodeCommit, and CodePipeline, automating deployments and improving development efficiency.
- Implemented DynamoDB and Aurora for scalable data management, ensuring high availability and performance.
- Applied cost optimization strategies to minimize cloud expenses while maintaining system robustness.
- Managed security protocols with AWS KMS and designed cloud architectures with a focus on compliance and data protection.

Interpersonal Skills

- Communication
- Documentation
- Technical Leadership
- Continuous Improvement
- Stakeholder Management
- Multi-Tasking
- Attention to Details

Core Technical Skills

Enterprise Infrastructure Architecture :

AWS, AZURE, GCP, OVH, On-Prem Servers, Hybride, OpenShift

Infrastructure as Code (IaC) : Terraform, Cloud Formation

Microservices Architecture :

Kubernetes, Docker

CI/CD Pipelines : Jenkins, GitHub Actions

Networking & Security :

VPC Design, VPN, IAM, RBAC, TLS Encryption

DevOps Practices :

Ansible, Automatization, Monitoring

Data Solutions :

RDS, NOSQL, DataLakes, ETL & ELT Pipelines

Monitoring : Prometheus, Grafana, CloudWatch

Apache : Airflow, Kafka

● Languages: Python, JAVA

Architectural Skills

- Disaster-Recovery Planning
- High Availability
- Cost Optimization
- Scalability
- Solution Architecture Design
- Resource Planning
- Migration Strategies
- API Management
- Modernizing Strategy

QUALIFICATIONS

● MSC. DATA ENGINEERING (ALTERNANCE 2023-24)

Aivancity school Cachan, France

- Specialization in Cloud Architecture and Data Pipelines.
- Advanced data engineering techniques with AWS services and CI/CD pipelines.

● PREP YEAR - PROJECT MANAGEMENT (2021-22)

IS-DBA Paris, France

- Training in Project Management and Agile Methodologies, strengthening my leadership in data projects.

● MSC. DATA SCIENCE & ANALYTICS (2019-21)

EPITA Paris, France

- Studies in Machine Learning, Predictive Analytics, Data Visualization, and Cloud Computing.
- Applied these skills in practical projects, strengthening expertise in data engineering.

CERTIFICATIONS

- HashiCorp : Terraform Associate
- AWS Certified Cloud Practitioner
- Oracle Java Certified
- NLP for ML Essential Training

ONGOING CERTIFICATIONS

- Certified Kubernetes Administrator (CKA)
- HashiCorp Certified: Terraform Authoring and Operations Professional
- AWS Certified Data Engineer

LANGUAGES

- ENGLISH {Fluent}
- FRANÇAIS {Intermediate}
- HINDI {Bilingual}
- GUJARATI {Mother language}

PERSONAL INTERESTS

- YOGA
- PHOTOGRAPHY
- COOKING
- TRAVELLING
- MEDITATION
- CRICKET
- BADMINTON
- READING