Sachin Malik

Platform Architect & AI Practitioner

Building Intelligent Cloud Solutions with AWS, Python & Java

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📍 Dublin, Ireland

Professional Profile

Results-driven **Software Architect** with expertise in **Cloud Native Development** and **Infrastructure as Code**. Successfully led critical cloud migrations and automated robust CI/CD pipelines for global enterprises. Combining deep technical proficiency in **Python, Java,** and **AWS** with new AI capabilities to design intelligent, data-centric architectures that drive business innovation.

Work Experience

Platform Architect   July 2025 - Present
Tata Consultancy Services | Dublin

- Architected production-ready AWS environments using **Terraform (IaC)**, managing **EKS, RDS, API Gateway,** and **ALB**.
- Designed end-to-end automated pipelines for microservices using **Docker** and **Kubernetes**.
- Leveraged **Amazon MSK** to build low-latency, event-driven communication layers.
- Managed enterprise-grade **SFTP server** solutions and **DNS** configurations.
- Automated infrastructure audits and tagging policies for cost optimization.

IT Analyst
Tata Consultancy Services | Noida

June 2024 - June 2025

- Engineered scalable web applications using **Java (Spring Boot)** and **Angular**.
- Designed and optimized relational schemas across **PostgreSQL** and **MSSQL**.
- Developed and documented secure **RESTful APIs** for distributed systems.

Software Engineer
Tata Consultancy Services | UK

Aug 2022 - June 2024

- Executed migration of legacy on-premise applications to **AWS (EC2, RDS)**.
- Diagnosed and resolved critical production issues in **Java/Spring Boot** applications.
- Enhanced build pipelines to support cloud-native deployments.

AI & ML Skills

RAG & Fine-tuning   AWS Bedrock   SageMaker   LangChain   Jupyter

Python

Cloud & DevOps

AWS (EKS, RDS)   Terraform   Docker & K8s   Jenkins   Microservices

Development

Java (Spring Boot)   Angular   PostgreSQL   REST APIs

Certifications

- ✅ AWS Certified AI Practitioner
- ✅ AWS Certified Developer Assoc.
- ✅ AWS Cloud Practitioner
- ✅ Java Persistence & JPA

Education

B.E. Electronics & Comm.
DCRUST, MURTHAL
2013 - 2017

- ✅ AWS Certified AI Practitioner
- ✅ AWS Certified Developer Assoc.
- ✅ AWS Cloud Practitioner
- ✅ Java Persistence & JPA