Deepak Meher

Technology Architect

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🪪 SUMMARY

Experienced **Technology Architect** with **18+ years of global IT expertise** in designing scalable backend systems, cloud-native architectures, and full-stack solutions. Skilled in **cloud, security, messaging, automation**, and translating complex requirements into robust designs. Known for **end-to-end ownership** and staying ahead with **emerging technologies**.

🌐 KEY RESPONSIBILITIES

Architecture & Design
Designed and reviewed scalable system architectures, integrations, and full-stack solutions across cross-functional teams.

Project Planning
Led end-to-end project estimations, high/low-level design, and infrastructure planning including DR and scalability.

Technology Evaluation
Evaluated emerging tech stacks and delivered rapid POCs to guide architecture decisions and improve performance.

Stakeholder Collaboration
Collaborated with business stakeholders and delivery teams to build user-centric, high-performance systems.

Team Leadership
Mentored junior engineers and conducted technical sessions & interviews to support organizational talent development.

Continuous Learning
Continuously updated technical skills in cutting-edge areas like Machine Learning and Big Data.

🧠 TECHNICAL SKILLS

Architecture & Design
Microservices, Java Patterns, Event-Driven, Spring Boot, Spring Batch, DDD, BDD, TDD, REST, OAuth2.0, JWT

Messaging & Streaming
Apache Kafka, Amazon SQS/SNS, IBM MQ, JMS, Pub/Sub

Cloud & DevOps
Multi-Cloud (AWS, Google), Kubernetes, Docker, Jenkins, Ansible, CI/CD, ArgoCD

Monitoring & Tools
AppDynamics, Splunk, Git, Jira, Swagger/Postman, SonarQube, Dynatrace

Datastores (SQL/NoSQL/Cache)
Oracle, MySQL, Aurora, DynamoDB, Cassandra, Elasticsearch, PostGreSQL, Redis Caching, PL/SQL

Testing/Automation
JUnits, TestNG, Cucumber, Selenium, BDD/TDD Frameworks

💼 PROFESSIONAL EXPERIENCE

02/2023 – Present
Bhubaneswar, OR, India

Tata Consultancy Services
Technology Architect
- Architected a strategic module delivery initiative, making it the only 'GREEN' status project by proactively identifying loopholes and mitigating delivery risks.
- Provided architecture leadership across multiple domains, guiding design patterns, performance optimizations, and platform decisions for scalable delivery.
- Led complex cloud-to-cloud and on-prem-to-cloud migrations using AWS and Azure, ensuring high availability and cost-optimized architecture.

07/2021 – 02/2023 Bengaluru, KA, India	**Infosys Ltd.** Technology Architect

- Directed AWS cloud migration for business-critical platforms, integrating Redis via ElastiCache to optimize caching and double API performance.
- Analyzed and resolved performance bottlenecks across microservices, applying profiling tools and cloud-native optimizations.
- Collaborated with cross-functional Agile teams, accelerating product delivery by automating pipelines and conducting expert-level code reviews.

04/2019 – 04/2021 Malvern, PA, USA	**Mastech Digital** Technology Lead/Architect

- Onsite lead for Vanguard, spearheading architecture across two Scrum teams and resolving high-volume processing challenges through microservices tuning.
- Designed and implemented resilient microservices using Spring Boot, Docker, Eureka, and ConfigServer, aligned with 12-factor principles.
- Led AppDynamics and Splunk monitoring setup, creating proactive alerting dashboards to ensure real-time observability and incident readiness.

04/2015 – 04/2019 Malvern, PA, USA	**Coforge (NIIT Technologies Ltd)** Technology Lead

- Managed two Agile squads delivering full-stack solutions (UI, APIs, DB) for an investment firm, improving feature release time by 25%.
- Built a Cucumber BDD test automation framework, boosting regression test coverage and cutting manual QA time by 40%.
- Containerized UI test automation setup using Docker, streamlining local test cycles for QA engineers.

08/2013 – 04/2015 Fort Worth, TX, USA/ Pune, India	**Infosys Ltd.** Technology Lead

- Led backend development for American Airlines' baggage systems using Spring, Hibernate, PL/SQL, and JMS, improving throughput and accuracy.
- Developed schedulers, SOAP/REST APIs, and ORM logic, enabling robust batch processes and data synchronization across enterprise systems.
- Contributed to enterprise projects for Toyota, Tesco, P&G, and Cummins, gaining cross-domain exposure in retail, manufacturing, and travel sectors.

🎓 EDUCATION

Advanced Certification in Machine Learning & Cloud
IIT Madras
03/2022 – 03/2023

B.Tech. in Electrical Engineering
Kalinga Institute of Industrial Technology
06/2003 – 05/2007

📇 CERTIFICATIONS

- AWS Certified Solutions Architect Associate
- AWS Certified Developer Associate
- AWS Certified Cloud Practitioner
- Infosys Certified Spring Boot Developer
- Infosys Certified Micro-services Professional
- Infosys Certified Cloud Professional

🏅 AWARDS

Quarterly Right Track Awards
Client - SEI Investments
2 times

Award, Certificate of Appreciation
Client - American Airlines

R&R Awards, Certificate of Excellence
Infosys Ltd.

Certificate of Excellence
All India Mathematics Teachers Association
Olympiad Examination

Mathematics Olympiad
Regional Mathematics Olympiad
17th Rank

Multiple Client Appreciations
Multiple YODA and Star Performer Awards