Nilay Shah

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LinkedIn | Professional Blog(blog.dcsaiapps.com)

Accomplished **Lead Solutions Architect** with extensive experience leading global enterprise data platforms and strategic digital transformation initiatives. Proven track record in building and managing scalable data architectures, driving advanced analytics, and implementing machine learning capabilities to deliver measurable business outcomes. Adept at aligning technology strategies with business priorities, **leading technical teams**, and fostering collaborative, innovation-driven environments.

Experience

Hilti Group | Solutions Architect & Functional lead | Plano, Texas *(Dec 2022 – Present)*

- Lead the architecture and strategy of Hilti's global marketing data platform, leveraging AWS technologies including Glue, Athena, SageMaker, EventBus, S3, Lambda, EC2, Redshift, Bedrock & Microsoft Fabric.
- Leading vision & implementation of data platform with capabilities of Data Mesh,Data Products, Data Observability, Data Quality, Analytics Engineering, Data Science as a service, MLOps, AI as service, GenAI readiness architecture.
- Drive the integration of advanced analytics and machine learning models to enhance marketing campaign effectiveness worldwide.
- Manage cross-functional collaboration with stakeholders, aligning platform capabilities with strategic business initiatives & defining strategic architecture long term tech vision with executive leadership team.
- Leading a team of (total 7) architects, data engineers, and project managers, fostering a self-service development framework compliant with platform standards.
- Played a key role for bringing Data Science change management in the organization.

Hilti Group | Solutions Architect | Paris, France *(Jan 2022 – Dec 2022)*

- Orchestrated the transition of the global marketing data platform towards more scalable cloud solutions.
- Ensured robust architecture design, performance optimization, and seamless integration with enterprise systems.
- Multi cloud integrations for seamless marketing initiatives. Salesforce(Data Cloud / Marketing Cloud / Sales Cloud), SAP(S4HANA / By Design / Business warehouse), Google cloud services (GCP / Google analytics / GMP / Ad platforms), Azure Cloud (Fabric / PBI / Azure ML / PowerApps) and AWS cloud platforms.

Hilti Group | Senior Data Engineer | Paris, France *(Dec 2019 – Dec 2021)*

- Initiated and developed marketing data platform capabilities, enhancing analytics, and enabling machine learning-driven insights.
- Gained extensive hands-on experience with AWS Glue, Athena, SageMaker, and Redshift.

Oracle India Pvt. Ltd. | Application Engineer II | Hyderabad, India *(Aug 2019 – Dec 2019)*

- Developed and managed Warehouse Management Module within Oracle E-Business Suite (EBS).
- Applied expertise in PLSQL and Oracle applications to optimize enterprise resource management solutions.

Trimble Information Technology | Senior Database Engineer | Pune, India *(Apr 2019 – July 2019)*

- Contributed to IoT-based Intelligent Construction Tools (ICT) projects, integrating advanced analytics and data visualization.
- Managed asset management solutions (On!Track) deployed across web and mobile platforms, utilizing cloud services.

Trimble Information Technology | Database Engineer | Pune, India *(Jun 2016 – Mar 2019)*

- Designed, optimized, and deployed databases (Oracle, MongoDB, MySQL) and cloud infrastructures on AWS.
- Conducted performance tuning, scripting (Python, Shell), and database automation.

Skills

- Leadership & Strategy
- Solution Architecture & Design
- Cloud Platforms (AWS, Salesforce, SAP, GCP)
- Data Engineering & Analytics
- Machine Learning Integration
- Team Management
- Stakeholder Collaboration & Communication
- Technical Mentorship

Education

Masters of Technology in Computer Engineering, Symbiosis International University, Pune, India (2014 – 2016)

Bachelor of Engineering in Computer Engineering, K.J. Institute of Engineering & Technology, Gujarat, India (2009 – 2013)

Certifications

- Leadership Skills Certification from IIM
- Oracle Database 12c: SQL Fundamentals (OCA)
- MongoDB for DBAs
- Certified ScrumMaster (Scrum Alliance)

Research & Publications

- "Eval Is Evil: Analyzing Performance of Web Applications Based on PHP and JavaScript by Static Analysis," Springer, 2016
- "Benchmark PHP: Statistically Significant Performance Results for PHP Code Snippet," IJECE Journal, Accepted (Scopus Indexed)

Languages

- English (Professional Working)
- Hindi (Native)
- Gujarati (Native)

Strengths & Interests

- Strategic Visionary
- Strong Organizational & Multitasking Skills
- Passionate about Blogging & Thought Leadership
- Committed to Continuous Learning & Innovation