



ALEES SHAIKH

BUILDING TEAMS WITH PURPOSE

PROFILE

- People and technology leader specializing in energy domain.
- Setting up high-performing teams and platforms from the ground up.
- Leading a team of 150+ engineers on digitalization projects generating revenue of USD 8M YOY
- Broad experience ranging on solutions, services, product development and technology consulting.
- Hands-on experience as a data and analytics engineer delivering projects across the energy, financial and retail industries.

CONTACT

PHONE:
+91-9619080292

WEBSITE:
<https://www.linkedin.com/in/alees-shaikh-1229865/>

EMAIL:
alees.shaikh@gmail.com

HOBBIES

Reading
Running

WORK EXPERIENCE

Siemens Advanta / Siemens Energy [Director, Product Development]

Sep 2017– Present

Responsibilities include team management, business development, delivery ownership and financial planning. Leading a team of 150+ engineers working on cloud, data, analytics, and product development

Infosys Limited - Principal Consultant

Feb 2017 – Aug 2017

Defining solutions for data management across a large petroleum and mining company.

SAS Institute (Consulting) – Senior Technical Architect

Dec 2013 – Jan 2017

Implementation of SAS Financial Risk Management solutions, design reviews, hardware sizing, performance optimization, presales activities and assisting the development teams for resolution of technical issues.

Infosys Limited – Technology Architect

Jan 2004 – Dec 2013

Delivering data warehousing and BI solutions for O&G major and CPG company.

EDUCATION

Bachelor of Engineering (Electronics) - Mumbai University

Jun 1999 – Apr 2003

Executive AI ML Course (IISc, Indian Institute of Science)

Feb 2021 – Jan 2022

Re-imagining Strategic Excellence (IIMB, Indian Institute of Management, Bangalore)

Jan 2023 – Dec 2023

SKILLS

- Team building and team management
- Delivery ownership
- Business development
- Data engineering and AI ML
- Digital implementation

WORK EXPERIENCE

Sep-2017 Onwards

Siemens Advanta

Director, Product Development (Sep-2017 onwards)

Leading a team of 150+ digital engineers working for Siemens Energy on,

- IIOT Platform, Cloud and DevOps services
- Data and Analytics services
- Development services
- Operations and Support

- Responsible for running a global development center out of India
- Customer relationship management with relevant customer representatives
- Drive software excellence to build industry leading software products and platforms
- Lead, develop, and motivate the team to achieve targets and increase ownership quotient
- Strategic workforce planning, performance management of teams to enable a world class people experience
- Ensure attracting and recruiting of talents, professional proficiency, and career development of employees
- Plan and monitor the running of business operations to ensure delivery excellence and operate from planned costs perspective

Siemens Advanta is a strategic business unit of Siemens, enabling companies to unlock the digital future by offering end-to-end support on their unique digitalization journey.

Feb-2017 to Aug-2017

Infosys Consulting

Principal Consultant (Feb-2017 to Aug-2017)

As a data management consultant, responsible for defining solutions for data management across one of the largest petroleum and mining organization.

Dec-2013 to Jan-2017

SAS Institute

Sr. Technical Architect (Apr-2015 to Jan-2017)

Responsibilities include implementation of SAS solutions, design reviews, hardware sizing, performance optimization, presales activities and assisting the development teams for resolution of technical issues.

- **AML process optimization at a leading Indian bank:** Worked on performance optimization and process optimization of SAS Anti Money Laundering (AML) data loading process at a leading Indian bank. Achieved optimization of more than 50% by using SQL pass-thru, removal of redundant processes and SAS hash programming.
- **Real time Fraud Detection:** Worked on a POC for real time fraud detection using SAS event stream processing. ISO8583 bitmap encoded messages from ATMs, POS, mobile and internet banking were streamed into SAS Event Stream Processing Engine and relevant Fraud alerts were generated.

Technical Architect (Dec-2013 to Mar-2015)

- **Risk Implementation at a leading Indian bank:** Implemented SAS Detail Data Store for Banking (DDS) which serves as the data warehouse for SAS Risk Management for Banking (Market risk/Credit risk/ALM) solution. Role as technical architect also involved automation of advanced analytics (Standardized Approach, Advanced Approach, Monte Carlo

simulations etc.), creation of data mart and reporting layer and managing the metadata security through SAS Management Console etc.

Jan-2004 to Dec-2013

Infosys Limited

Technology Architect (Apr-2010 to Dec-2013)

- Responsibilities include definition and ownership of solution architecture, optimization of existing solutions to remove redundancies, assisting the development team with detailed design and resolution of technical issues. Requires coordination with various teams (business, infrastructure, information security, development, and testing) and an in-depth knowledge of the technologies involved.
- **Continuous Improvement Architect for North America region:** This role requires analyzing the existing data sourcing, data integration and data quality issues and defining a roadmap for future implementations. Also required tool/solution evaluation and providing architectural recommendations to the development team.
- **Data Virtualization Service Line:** Was the lead architect from Infosys for the data virtualization service line for an Oil & Gas Supermajor. The object was to federate the most widely used data sources and provide a single version of the data to all consuming applications ("Data as a Service"). This helped in reducing the number of data silos, provision of consistent data and abstracting the complexities of the data source from the application. Within 3 years, the service line grew from 1 consuming application to more than 40, from a team of 6 to more than 60 and had achieved more than 100 production releases. This service line has become the default data provider for all application data requirements within the organization unit.

Some of the key projects executed under this program were,

- **Land Reporting:** Integration of data from Quorum Land System, SAP JV and SAP PRA using Composite Software to provide analytical Business Objects Reports
- **HSE Dashboard:** Provision of health & safety metrics through Xcelsius dashboard to measure against organizational standards
- **Top Wells Dashboard:** Integration of data across 6 global Pi Historians to provide a near real time RAG status for the top 100 wells against 25 KPIs. Usage of Dundas dashboard to provide auto scrolling and auto refresh.
- **Global Wells Dashboard:** Provide KPIs to measure the performance of 12 global regions across different subject areas such as people, plant, processes.
- **Maximo Reporting:** Provisioning of enterprise-wide Maximo Work Management data through a Business Objects Universe for ad-hoc reporting

Technology Lead (Jan-2008 to Mar-2010)

- As a technology lead, the responsibilities include requirements gathering, design, design reviews, define testing strategy, code review, performance tuning and release planning. Requires client interfacing skills, coordination with various teams and an in-depth knowledge of the technologies involved.
- **Data Virtualization Pilot:** Led a team of 6 developers on a Data virtualization pilot project using Composite Software to integrate data of a major Oil & Gas firm from 4 disparate data sources and present the data in a consistent format to multiple application consumers. Responsibilities included ER Studio data modeling; data profiling and design/development/performance optimization of SQL views/stored procedures on Composite Software. Also included development of SSRS reports.
- **Shale Gas Reporting:** Led a team of 9 developers on a data mining project to analyze the industry wide Well and Production data for an alternative energy source (Shale Gas). Responsibilities included design and development of an end-to-end reporting solution including dimensional modeling, ETL to integrate data from 5 data sources, design of universe and creation of analytic reports. Tools included Informatica 8.1, BOXi r2 and Oracle 9i.

- **Enterprise Promotions Management (EPM) Reporting:** Creation of financial reports for a Fortune 100 CPG client in BOXi r2 to help track the account balances for each customer at the period close. Included Universe Design.
- **Sales Invoice Processing System (SIPS) Reporting:** Involved Report Bursting on BOXi r2 to minimize printing & mailing of large volume reports.

Technical Analyst (01-Mar-2006 to 31-Dec-2007)

Responsibilities include detailed design, coding, code review and performance tuning.

- **Enterprise Transportation Management System:** A Fortune 100 Client was implementing an Enterprise Transportation Management System and needed to access operational and analytical data using the BusinessObjects. It involved design of a data mart by collating data from 3 different 3rd party transportation companies and creation of reports. Daily jobs were scheduled to receive and upload data received in flat file and database format using Informatica jobs.
- **Tax Reports:** To convert the mainframe SAS reports to Business Objects 5.1 and migration of data from mainframe to Oracle. It involved usage of normalizer transformation in Informatica to convert the hierarchical COBOL data into relational DBMS format.

Developer (19-Jan-2004 to 28-Feb-2006)

Responsibilities include coding, testing and support activities. Requires hands on code experience on the technologies.

- **Purchase Order Balances Reporting:** Involved creation of a Purchase Order Balances Report which would be used to track balances through the supply chain process.
- **Independent Bottler Reporting:** It involved creation of BO reports and Oracle views for the procurement group of a CPG client.
- **Baseline Support:** It involved monitoring of daily nightly batch data loads from offshore and resolving any issues or tickets within the defined SLAs.

Aug-2003 to Nov-2003

ICICI OneSource

Customer Service Associate

- Worked as a customer service associate for the credit cards unit of a multinational bank based out of UK. Responsibilities included activation, billing and handling of all financial queries related to the credit card.

EDUCATION

Feb-2021 to Jan-2022

IISc, Indian Institute of Science

AI-ML certificate program (1-year course)

Jun-1999 to Apr-2003

Rizvi College of Engineering, Mumbai, India

Bachelor of Engineering (B.E Electronics) (4-year course)

EXTRACURRICULAR ACTIVITIES

- Led Covid Task Force for Siemens Pune
- Innovation champion to help generate new ideas and patents
- Head Boy in school, involved in soccer team, elocutions, debates, and quizzing events. Represented school on Television on the National Level Bournvita Quiz Contest in India

REFERENCES

- Will be given on request.

AWARDS/CERTIFICATIONS

- SAFe Program Consultant
- AI ML, IISc
- Base SAS 9.4 Certified
- Informatica Certified Developer
- Infosys Certified Data Architect
- Infosys Most Valuable Player Award – 2007