

SHIHAD SALAM

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Synopsis

- Technology leader with significant contribution to the digital transformation journey of Fortune-500 firms
- 13 plus years of experience in **architecting**, designing & implementing cloud-native software products
- Mentored and **managed engineering teams** to achieve quality technical deliverables
- Rich expertise in preparing & presenting **technical design proposals** to business stakeholders
- Deep dive into the **Microservice** architecture, executed migration from legacy monolith applications
- Expertise in **Java/JEE** latest technology stack, mainly in **Spring** framework ecosystem
- Good exposure to public cloud services such as **AWS, Azure**
- Proven experience in **Event Driven Data Streaming Platform** implementations using **Apache Kafka**
- **Investment Management, Banking, Insurance, Financial Services & Automotive** domain experience

Technical Skill Set

<i>Architectural Patterns</i>	Microservices, SOA, Event Driven, Serverless, SaaS
<i>Programming Languages</i>	Core Java, JEE, HTML
<i>Application Frameworks</i>	Spring [Boot, REST, Core, Security, MVC, JPA, JTA], Spring Cloud [Gateway, Sleuth], Hibernate, GraphQL, Kafka, RabbitMQ, Redis, ELK, Consul, MuleESB, Junit
<i>Cloud</i>	Microsoft Azure [Event Hub, KeyVault, ACR, AKS, DevOps] AWS [Lambda, Cognito, Dynamo, CloudWatch, SNS, EC2, ECS, EKS, S3]
<i>Database</i>	MSSQL, Oracle, MySQL, MongoDB, Cassandra
<i>Web/Application Server</i>	Apache Tomcat, JBOSS
<i>DevOps</i>	Azure DevOps, Jenkins, Docker, Kubernetes
<i>Dev Tools</i>	Maven, Git/Bitbucket, SonarQube, Fortify, FindBugs

Professional Certification

- **TOGAF Certified Enterprise Architect**
- **Oracle Certified Expert Java EE Web Component Developer**
- **AWS Certified Solutions Architect**
- **Microsoft Certified Azure Solutions Architect**

Academic Qualification

- **B-Tech** [Information Technology] | **CUSAT** | 2006 - 2010 | **78%**
- **Plus-Two** [Science] | Kerala Higher Secondary Board | 2005 - 2006 | **83%**
- **SSLC** | Kerala State Board | 2004 | **91%**

Professional Experience

Company Name	Publicis Sapient
Client Name	Wellington Asset & Investment Management Inc.
Project Name	Guideline Monitoring System
Tools & Technologies	Java, SpringBoot, Microservices, Kafka, Mongo, Oracle, AWS, Redis, ELK etc.
Duration	Aug 2022 – Till Date
Role/Designation	Technical Architect
Project Summary	Guideline Monitoring System deals with monitoring and executing rules and guidelines provided by customers and enterprises to the Portfolio Management team before submitting the investment order.
Roles & Responsibilities	Technology Architect of one of the top Investment and Asset Management firms in the US with more than 1 trillion USD worth assets under management, responsible for the technical architecture and delivery along with individual contribution to product development. Lead the migration design of an Investment Compliance' legacy Monolith application to Microservice based architecture in AWS to enable seamless integrations and be future-ready.

Company Name	Nagarro
Client Name	Maruti Suzuki Financial Systems
Project Name	Financial Marketplace Platform FMP
Tools & Technologies	Java, SpringBoot, ELK, RabbitMQ, Redis, MuleESB, Oracle, MongoDB, AWS
Duration	Nov 2021 – Aug 2022
Role/Designation	Technical Architect
Project Summary	FMP is an Automotive product to enable the users to purchase vehicles by financing options from multiple banking vendors. The product is based on Microservice architecture implemented using Java, SpringBoot and associated technologies in AWS Infrastructure that enables third-party (Bank) integrations using MuleSoft ESB.
Roles & Responsibilities	Responsible for technical architecture, design proposals, POCs and product development of top automotive client. Built robust and performant microservice architecture in their financial landscape. Strategized the segregation of common functionalities of the system to a separate SaaS-based service to enhance the business & technical outcomes.

Company Name	EY
Client Name	Scotia Bank, TIAA
Project Name	Nexus for Banking
Tools & Technologies	Java, Spring, Flink/Cloud Flow, Kafka, Mongo, Cassandra, PostgreSQL, Azure
Duration	Jun 2019 – Nov 2021
Role/Designation	Engineering Lead
Project Summary	Nexus for Banking (N4B) is a platform developed by EY to serve banking institutions to automate a series of customer events to generate business opportunities. N4B was an event-driven data streaming platform that

	leveraged the advanced Java and SpringBoot features along with Flink (Cloudflow), and Kafka in Azure infrastructure.
Roles & Responsibilities	Lead the Engineering team, performed technical design & implementation, owned and executed quality technical deliveries. Designed & implemented an event-driven data streaming product which processes millions of records on a real-time basis for multiple financial enterprises. Crafted cloud infra migration plan with detailed design approaches and effort estimation for an AWS-based system to suit EY standards, Azure.

Company Name	UST
Client Name	Equifax
Project Name	Property Data Analytics
Tools & Technologies	Java, Spring [Boot, JPA, REST], Apache Camel, Oracle, MongoDB, AWS
Duration	Sep 2018 – Jun 2019
Role/Designation	Associate Software Architect
Project Summary	Property Data and Analytics (PDA) dealt with the analysis of real estate properties for mortgage loans based on data available from a set of external vendors.
Roles & Responsibilities	Implemented engineering best practices in the property data & analytics platform of Equifax, a US Mortgage giant, reduced tech debts to near zero, and incorporated detailed tech documentation. Prepared architectural and development vision, involved in resolving complex technical debt areas without impacting the system thereby uplifted the project to match high-quality delivery matrices.

Company Name	Allianz
Client Name	Allianz SE Insurance
Project Name	Risk Analysis Infrastructure
Tools & Technologies	Java, Spring [Boot, Cloud, REST, JPA], Hibernate, Apache Camel, Oracle
Duration	Oct 2014 – Aug 2018
Role/Designation	Systems Analyst
Project Summary	Risk Analysis Infrastructure is an insurance product owned by Allianz Group Germany for the calculations and analysis of risk capital.
Roles & Responsibilities	Lead developer in one of the complex risk analysis products of Allianz Group Germany, hands-on experience in designing & implementing features using advanced Java/JEE & Spring frameworks. Redesigned legacy low-performing features to achieve resilient, scalable and low latent capabilities. Onsite production support at Munich, Germany.

Company Name	Cognizant
Client Name	Sammons Financial Group Inc. - SFG
Project Name	SFG New Business Underwriting
Tools & Technologies	Java, Spring MVC, Spring Data, Hibernate, Bean IO, Apache Camel, MSSQL.
Duration	Feb 2013 – Oct 2014
Role/Designation	Programmer Analyst
Project Summary	Sammons Financial Group (SFG) dealt with integrating the underwriting process of two insurance companies, MidLandNational (MNL) and NorthAmerican (NA).
Roles & Responsibilities	Individual contributor/developer in one of the Insurance integrations projects for US financial group, implemented the ETL system effectively using the latest Java/JEE tech stack. Implemented the ESB layer using Apache Camel along with Java and Spring frameworks.

Company Name	HCL Tech
Client Name	CapitalStream
Project Name	CapitalStream
Tools & Technologies	Java, Servlet, JSP, Spring Security, Hibernate, Oracle11G
Duration	Aug 2010 – Jan 2013
Role/Designation	Software Engineer
Project Summary	CapitalStream is an integrated software product designed to manage the processing for business and commercial lending which automated the complete loan origination process.
Roles & Responsibilities	Involved in the core product development of US commercial lending organization's automated loan origination system, Linedata Capitalstream. Strictly adhered to best practice in implementing product features using the Java/JEE technologies.