Tushar Raje

Principal Architect

OH, Delaware, 43015

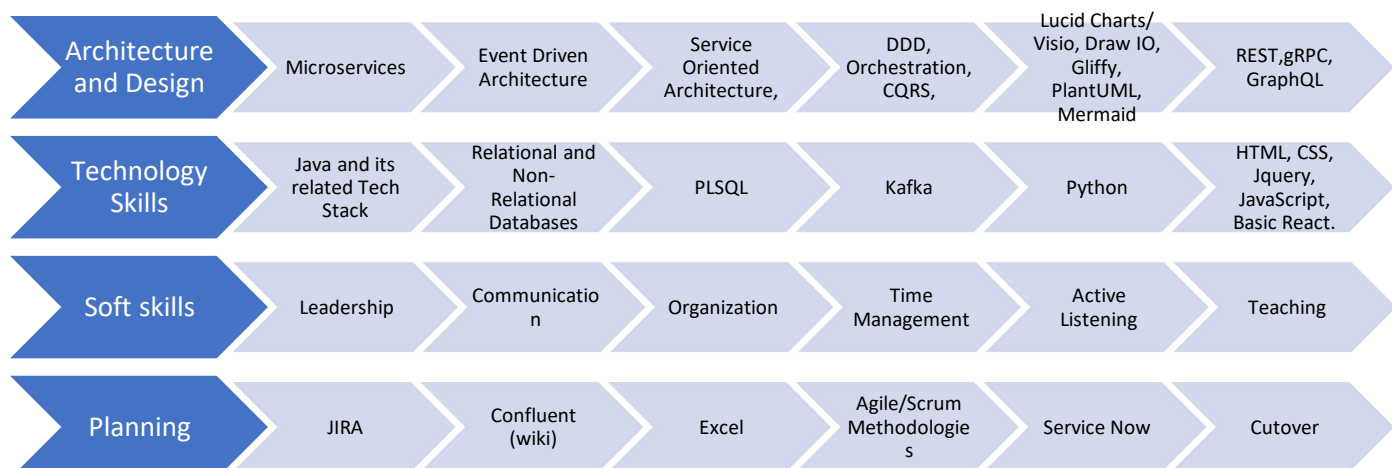(937) 581-8573

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Professional Summary

- Principal Architect with around 20 years of experience in architecture and software development, specializing in Java, Spring, SQL/NoSQL, Event Driven Architecture, Containerization, Search Engines, Distributed Systems, Cloud Services, Leadership and Software Architecture and Design.
- Possess deep knowledge of Banking Payments domain and technology with products such as Quick Deposit, Zelle, BillPay, ACH, Transfers.
- Adept at leading cross-functional teams, designing scalable solutions, and optimizing performance.
- Known for being a leader and problem-solver, consistently delivering results.
- Developed cross-domain integration designs according to Industry best practices and establish new architectural conventions.
- Spearheaded over 40+ people across multiple locations like USA, and India and awarded as Pinnacle Performance Award   for Technology Leadership for Q1-2023, Virtusa Ltd.
- Created and maintained a technology roadmap for the organization, identifying key trends and opportunities for innovation in the market.
- Excellence in managing end-to-end delivery/ program/ project planning & implementation from scope management to activity sequencing, effort & cost estimation, pre-sales activities, risk analysis to quality management in line with the guidelines.
- Provided expert advice, counsel, and recommendations, to influence organizational decisions and initiatives.
- Extensive project management & governance experience; proficient in grasping the big picture, conceptualizing, developing, implementing solutions, partnering closely with business leaders & stakeholders to achieve higher levels of efficiency & effectiveness.
- Collaborate with the customer and partner, Delivery resources, product management, and engineering management to develop and document technical design for customer-specific solutions.
- Responsible for designing and ensuring validity of architectural solutions within single or multiple domains by working closely with and coordinating multiple project team architects' efforts.
- Collaborate with cross-functional teams to develop and execute strategies to improve the organization's cybersecurity posture and ensure compliance with industry standards and regulations.
- Seeking a challenging role to leverage my expertise in delivering innovative technology solutions.

Skills

Architecture and Design	Microservices	Event Driven Architecture	Service Oriented Architecture,	DDD, Orchestration, CQRS,	Lucid Charts/ Visio, Draw IO, Gliffy, PlantUML, Mermaid	REST,gRPC, GraphQL
Technology Skills	Java and its related Tech Stack	Relational and Non-Relational Databases	PLSQL	Kafka	Python	HTML, CSS, Jquery, JavaScript, Basic React.
Soft skills	Leadership	Communication	Organization	Time Management	Active Listening	Teaching
Planning	JIRA	Confluent (wiki)	Excel	Agile/Scrum Methodologies	Service Now	Cutover

Technology and Application Architecture Proficiency

Development and Testing Tools	Intelij Idea, VSCode, PyCharm, PGAdmin, postman, SoapUI, FindBugs, CheckStyle, PGAdmin, Cqlsh, GIT, Github, GitLab, Bitbucket, Maven, Gradle.
Programming Languages and Frameworks	Java8, Java11, PLSQL, Python, HTML, CSS, Jquery, JavaScript, Basic React, Spring Boot, Spring Batch
Build and Package	Jenkins, Docker, Kubernetes, AWS, Jfrog Artifactory, Nexus Repo, PCF, OpenShift
Test	Junit, Blazemeter, JMeter, SonarQube, ECLEmma Code Coverage, JACOCO Code Coverage, Cucumber, Selenium, Chaos Monkey
Message Brokers	Kafka, Amazon SQS, ActiveMQ
Persistence	Oracle, Cassandra, DB2, PostgreSQL, Cockroach DB, Amazon S3
Search Engines and Distributed Systems	SOLR, Elastic Searches, Logstash, FluentD, FluentBit Zookeeper
Cloud Services	AWS (EC2, ECS, S3, RDS, Lambda), PCF
Containerization	Docker, Kubernetes
Monitoring	Kibana, Splunk, Jaeger, Dynatrace, Prometheus, Grafana, Xray, CloudWatch, Datadog
Caching	Memcache, Redis
Load balancers and CDN	HAProxy, NGInX, Cloudflare
API Gateway	Used Spring boot for the gateway and use Eureka/Zookeeper for service discovery.
Identity and Security	Session, Cookies, JWT, SSO, Oauth 2.0, SSL, MS ADFS.
Data Analytics	Microsoft Power BI, DataBrick, AWS Glue, AWS EMR

Employment history

Virtusa Inc	Principal Architect	Delaware, OH	Aug 2022 - Present

JP Morgan Chase | Oct 2023 – Present

- Designed and Architected solution for Payees and Payment Activities migration from First Republic Bank to JPMorgan Chase Systems for ACH Payment and Collections, WIRES, BILLPAY and ZELLE products.
- The FRB data resided in multiple vendor systems such as Fiserv, Dragon Fly and Jack Henry,
  - The First challenge here was binding the data back to FRB system (Q2 for Auth and MDM for FRB profile systems)
  - The next challenge was FRB had different concept of Profile/User hierarchy for various consumers (like Individual Users, Joint Users, Corporate users, private bankers, and business bankers) than Chase. Hence had to build appropriate model to map each user from FRB to Chase Hierarchy.
- Also build various prototypes to simulate the user experience in non-prod region for various scenarios such as Profile enrollment, Account Mapping back to profiles, Routing Number migrations, transfer Limits for Product.
- Worked with UX developers to design and implement dashboard to show the payee/payments migration journey and enrollment/product nudges for first time FRB users migrated to Chase.
- Worked and lead multi teams of 25+ engineers and used tools and technologies such as MFTS, Alteryx, Spring batch, Oracle on Cloud, SQL loader, S3, lambda functions, Kafka, EKS, AWS Event Bridge, React JS.

Reliance Standard Life Insurance | Aug 2022 – Oct 2023

- Worked on EIS V20 COTS product, which comprised of technology stack such as, RX Java, Spring Boot, Cassandra, Kafka, SOLR, Zookeeper, OpenL Rules Engine, Kraken, DXP Persona APIs, Docker, Kubernetes
- Played a role of Delivery Director cum Principal Architect and managed and lead a Team of 40 Engineer on training the v20 architecture and delivering Prod ready STD/SMP/LEAVE app in record time of 10 months.

- Redesigned and implemented Affiliate and Census functionality which resulted in 40% performance benefit and improved customer experience.

Discover Financial Services	Principal Application Architect	Delaware, OH	Apr 2022 - Aug 2022

- Worked with Discover architecture team on Fraud Recovery Modernization project, with the goal of helping the existing team to migrate the existing monolithic application deployed in WebSphere and PCF to AWS cloud on OCP platform.
- The project aimed to leverage Amazon RDS(PostgreSQL) for relation DB, AWS S3 for object storage, Kafka for messaging events, Redis for caching/in-memory db.
- Collaborated with product owners to understand business requirements and translate them into technical solutions.

JPMorgan Chase	Vice President (Senior Engineering Manager)	Columbus, OH	Dec 2016 - Apr 2022

- Worked as Application Owner for Consumer and Connected Commerce Payment Product Quick Deposit.
- Led multi teams comprising of total 30 Leads and Engineers
- Designed and implemented application using DDD, SAGA/CQRS patterns, Micro services using Spring Boot, event driven architecture.
- Lead Major Programs: QD Rationalization, QD RTFA
    - This Program comprised goal of improving customer experience through decoupling Image Quality functionality into microservices for functionality such as check validations, onus validation, duplicate validation.
    - The program led to $1.2 million cost saving per annum through replacement of vendor product Allogent with JPMC inhouse product VPC A2iA.
- Throughout my JPMC career worked on Banking Payment Product such as Zelle, BillPay, Chase Quick deposit and lead many programs specially modernizing the applications from Monolith to Microservices and deploying on On-Prem Cloud (GAIA-PCF) and Public Cloud (AWS).

UST Global Inc	Solution Architect	Malvern, PA	Apr 2014 - Dec 2016

- Lead Application Design and development. Interacted with multiple teams in the investment banking domain to provide technical solutions to complex business requirements.

Infosys	Technology Lead	Miamisburg, OH	Apr 2006 - Apr 2014

- Architected, Managed and Developed Web application and Reporting Tools through Java/J2ee technologies for multiple clients in Banking, Utilities and Publishing Industries.

Education	Links
Pune University, Pune, India	Bachelor of Engineering Aug 2001 - May 2004	LinkedIn AWS_CERT EIS Suite Systems Architect Certified Expert GitHub