UMESH KUMAR K | IT ARCHITECT

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SUMMARY

Frontend first Full-Stack Architect with 18+ years of experience designing and modernizing enterprise-scale web platforms. Specializing in Angular-based SPA architecture, micro frontends and performance optimization. Proven expertise in end-to-end system design, API-driven architectures, CI/CD automation, and large-scale application modernization delivering secure and scalable platforms.

WORK EXPERIENCE

Fidelity National Information Services   **From May 2013**

Platform Modernization: Legacy to Angular SPA
- Led the migration of the FIPS/InTrader portal from JSP + Struts to a modern Angular **Single Page Application** backed by **REST** APIs.
- **40–60% faster page load** times, **improved usability** and **responsiveness** for thousands of users across lead and correspondent banks.
- More than **50% reduction** in UI-related production **defects** & reduced long-term maintenance cost due to modern architecture.

Fixed Income Analytics Modernization (ICE Integration)
- Migrated a legacy VB.NET application interfacing with **ICE** to a modern architecture delivering cashflow projections and rate sensitivity analytics.
- Around **40% faster** analytics reports **processing,** enabling better liquidity planning and interest-rate risk analysis.
- More **reliable** and **timely** insights for investment decision-making.

Portfolio & Safekeeping Data Visualization
- Designed and integrated **interactive dashboards** & **visualizations** for Portfolio and Safekeeping reports, transforming overnight accounting data into visual insights using **Logi Info Studio**.
- More than **50%** reduction in ad-hoc reporting requests to support teams & reduced reliance on static reports and manual analysis.

Client-Specific Customization & Professional Services Enablement
- Worked directly with lead bank stakeholders and **Professional Services** to deliver custom reports and dashboards where PS lacked deep technical expertise.
- **20–30% faster** client **onboarding** timelines.Directly supported **renewals** and **expansions** for top-tier banking clients.

Identity, Security & Regulatory Compliance
- Implemented **SSO** & **MFA** using FIS's homegrown Identity Provider & delivered privacy and compliance initiatives.
- Seamless, secure access with **40–50% fewer** login-related **issues**.
- **Reduced** security and compliance **risk** across **100%** of portal **users**.

Secure SDLC & DevSecOps Enablement
- **Integrated** various **SAST/ SCA** tools into **CI/CD** pipelines.
- **30–40% earlier vulnerability detection**, improving release confidence and Improved platform security.

Enterprise Integrations & API Platform
- Built and maintained **REST APIs** and integrations with multiple **internal** and external **systems** that enabled consistent, real-time data across systems

Aricent Technologies   **Sept 2006 to May 2013**

Billing UI Platforms (Interconnect & Retail Billing)
- Led the front-end development for **high-volume** Interconnect and Retail Billing **portals**.
- Enabled operations teams to **manage thousands** of rate **plans** and **configurations** efficiently

Data Model Modernization
- Executed the complex data model migration from a legacy text file based system to Oracle DB.
- Enabled **faster access** to billing **data** and improved reporting reliability

Enterprise Deployment
- Successfully implemented and deployed the Interconnect Billing solution for Telenor, a major telecom client, adhering to aggressive project deadlines

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SKILL SET

Frontend Architecture
- Angular, TypeScript, JavaScript.
- SPA, Micro Frontends
- State Management: NgRx, Redux, RxJS

Frontend Performance & Scalability
- Performance Optimization (change detection, rendering)
- Code Splitting, Lazy Loading

Backend & APIs
- Java, J2EE
- Spring Framework, Spring Boot ,Hibernate ORM
- REST API Design & Integration

Architecture & System Design
- Modular & Layered Architecture
- Legacy Modernization
- Microservices & API driven systems

Security, Identity & Compliance
- Authentication & Authorization (MFA,SSO)
- SAST/SCA tools - Checkmarx,Veracode,Blackduck
- Microservices & API driven systems

DevOps, CI/CD & Delivery
- Jenkins CI/CD Pipelines
- Docker
- Git,Bitbucket

Data & Persistence
- Oracle
- Query Optimization, Data Modeling

EDUCATION

Bachelor of Technology in Information Technology   **2002 to 2006**