

Satish Agrawal

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Enterprise Architect (TOGAF 9 Certified) with a demonstrated fifteen-year history of delivering innovative and impactful solutions. Skilled in building enterprise-grade architectural solutions utilizing subspecialties in cloud technologies, streaming analytics, microservices, and event-driven architectures.

As a trusted advisor and confidante to leadership (at all levels), organizational partners, peers, and staff I have helped lead numerous initiatives finding hidden opportunities and innovative solutions along the way. Success has come through a combination of coaching and mentoring individuals and teams, collaborating with customers, and working to clearly define a shared understanding of how to marry business outcomes with strong solutions.

CORE COMPETENCIES

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|---|-----------------------------------|
| ✓ Enterprise strategy | ✓ Microservices |
| ✓ Vision for To-Be Architecture on digital transformation projects. | ✓ Domain-Driven Designs |
| ✓ Capability-Based Planning | ✓ Dev/Sec/Ops |
| ✓ Collaboration | ✓ CI/CD |
| ✓ Building Technology Roadmaps | ✓ Stream Processing |
| ✓ Creating Standard Processes | ✓ Azure Cloud |
| ✓ Evaluating Talent | ✓ Event Hubs |
| ✓ Change Leadership | ✓ Java |
| ✓ Critical Thinking | ✓ Spring Boot |
| ✓ Active Listening | ✓ No SQL |
| ✓ Quick Learner | ✓ Elastic Search |
| ✓ Sound Judgement and Decision Making | ✓ Docker |
| | ✓ Kubernetes |
| | ✓ Machine Learning / Data Science |

CAREER SYNOPSIS

WERNER ENTERPRISES, OMAHA, NE

ENTERPRISE ARCHITECT

2017 to present

- Lead the disruptive digital transformation project within the enterprise which impacted every single component of the organization. Make recommendations on architectural patterns and help make critical decisions.
- Collaborate with business to design and enhance new applications with a focus on performance, scalability, and superior user experience
- Upgrade technology stack and introduce new architecture styles including microservices architecture, event-driven architecture, streaming pipelines like Azure stream analytics (Kafka, Azure event hub), and others
- Help analyze and choose COTS applications for API gateway, Application Performance Monitoring (APM) systems, Pub/Sub messaging solutions. Lead community of practices for Java and UI frameworks to create guidelines and ensure compliance
- An active member of the Architecture Review Committee to develop an enterprise architecture for the organization
- Evaluate SaaS offerings from major cloud providers including Microsoft Azure and AWS to implement on-prem and cloud solutions.

- Created multiple solutions benchmarking performance and compare options available.
- Interview candidates to evaluate their technical, analytical, and leadership skills. Onboard and train selected candidates

SENIOR SOFTWARE ENGINEER

2011 - 2017

- Data modeling for various applications for both new and enhancements projects.
- Design and develop Spring boot based microservices
- JAX RS service development using Resteasy API and JSON contracts and used Quartz scheduler to write batch jobs, used EJB 3 stateless session beans to write server-side components
- Designing XSD contracts to interact with IBM Sterling integrator, MQ Series, and message broker
- Understanding requirements from users and creating artifacts like flow charts, component interaction diagrams
- Migrate old system processes to a new service-based architecture
- Test plan and test suite creation using TestNG/Junit. Participated in the end to end system testing with other team members within the enterprise

Union Pacific Corp; OMAHA, NE

2009 - 2011

PROGRAMMER ANALYST

- Services orchestration and systems integration using 11G Oracle SOA components including BPEL, Mediator and rules engine
- Designed workflow for error conditions in normal flow using Oracle workflow engine. Designed and implemented aggregation in error notification via email
- Java services development using Spring IOC, Default message listener, JDBC Template, JMS Template, and Tibco EMS
- Developed reusable common java components to be used across different services
- Performed performance testing to decide on the number of instances per service required and the number of listeners per instance can serve successfully the load. Failover and failback testing in an active/passive environment
- Prepared design documents and flow charts for services low-level design
- Maven repository maintenance and artifact deployment. Wrote multiple build profiles to support multiple environments
- Production deployment in Unix boxes and production environment monitoring

Satyam Computer Service Limited; PUNE, MH, INDIA

2006 - 2009

SOFTWARE ENGINEER

- Web application development using JSF framework, EJB 2.1 and delegator and service locator layer implementation. Java service development using Spring IOC
- Offshore/onsite coordination to design, develop and test. Understanding requirements from business analysts, test plan and regression test suite creation using Junit
- Used Ehcache and OS cache to implement distributed caching, SAX and JDOM parsers to parse large XML, JRockit mission control to monitor production load and performance, LDAP roles in web applications for authentications and access control, IBM Tivoli for asset management

EDUCATION

- Bellevue University, NE -- MS in Data Science
- TOGAF 9 Certified Enterprise Architect
- GGD university Bilaspur — Bachelor of Engineering in Computer Science and Engineering (BE-CSE)
- Sun Certified Java Professional (SCJP)