

Sohil Ladhani

<https://www.linkedin.com/in/sohilladhani>

Email : sohilladhaniwork@gmail.com

Mobile : +91 8000069197

www.sohilladhani.com

PROFESSIONAL EXPERIENCE

- **Senior Member Technical Staff** Oct 2022 - Present
Salesforce *Hyderabad*
 - **Columnar Storage (Java, Spring, Caching, Apache Arrow)**: Designed and implemented high-performance columnar data storage and query system using key-value store with co-located Apache Arrow for tag-based queries, achieving 63% faster query execution. Optimized data access for analytics workloads compared to row-based approach.
 - **Context Service Guard Rails (Java, Caching)**: Implemented a guard rails feature for the context service, which significantly reduced volume overload on the cache and improved system stability.
 - **Lazy Hydration (Java, Caching)**: Achieved over 100% improvement in cache build time and reduced stale data in the cache.
 - **Licensing System (Java)**: Implemented a robust user licensing system for Context Service, enabling secure access control and differentiated permissions; streamlined user onboarding and set the foundation for future tiered revenue models.
- **Senior Member Technical Staff** Oct 2021 - Oct 2022
Oracle *Bengaluru*
 - **NSSAI Auto-configuration (Java, Spring, REST)**: Led design and development of auto-configuration system for NSSAI, reducing network slice configuration time by 95%. Prioritized high availability, resilience, maintainability and evolvability.
 - **NSSF Notification Flow Optimization (Java, Spring, RabbitMQ, Kubernetes, Docker)**: Improved NSSF notification flow, reducing retry messages by 50%, improving communication efficiency and system performance.
 - **Database Performance Optimization (MySQL, Hibernate)**: Enhanced database performance with 700% faster reads and 300% faster writes through query and schema tuning.
- **Software Engineer** Jul 2017 - Oct 2021
Cisco Systems *Bengaluru*
 - **License Manager (C, PyATS)**: Led development of critical licensing sub-modules (C) for Data Center Switches, achieving robust management and 100% code coverage.
 - **Model-Driven Programmability (Python, C++)**: Streamlined data model development using Model-Driven Programming, enabling programmatic switch interactions and automating license management as well as testing.
- **Software Engineering Intern** Jan 2017 - Jun 2017
Cisco Systems *Bengaluru*
 - **UT Framework Enhancement (C)**: Enhanced Cisco IOS-XE Unit Testing Framework with a custom module for database configuration management, potentially reducing white-box testing time by up to 71%.
 - **CTS Component Testing (C, Lua, XML)**: Developed a custom XML parser (C) for efficient device configuration parsing and simulation, enabling comprehensive testing of Cisco Trusted Security (CTS) components.
- **Associate Software Engineer** Aug 2013 - Oct 2014
Thomson Reuters *Ahmedabad*
 - **Real-Time Tax Calculation (C# .NET)**: Revamped AgileTax software, implementing time-saving features (automated data entry, real-time tax calculation) for a 27% user retention rate increase.

EDUCATION

- **Birla Institute of Technology and Science, Pilani** Aug 2015 – Jun 2017
Master of Engineering in Computer Science *Hyderabad*

SKILLS

- **Languages**: (proficient) - Java, C; (familiar) - Python, bash, C++, JavaScript
- **Tools**: Apache Arrow, RabbitMQ, Kubernetes, Docker, Podman, Grafana, MySQL, Git, Make, GDB, Valgrind, tmux
- **Software Methodologies**: Cloud Native, Microservices, REST, Agile, Scrum, TDD, OOPS, Design Patterns, Data Structures, Algorithms, Database
- **Frameworks/Libraries**: Spring, Spring Boot, Spring Cloud, Spring JPA