Shubham Lahoti

+91 9007710561 | Linkedin | Leetcode | shubham.lahoti1@gmail.com

EXPERIENCE

Software Developer 2 | *Java, Oracle SQL, PL/SQL* — July 2022 – Present
Oracle — *Hyderabad, India*

- Optimized various REST APIs for **Oracle Fusion**, serving over **1,700 clients**, resulting in a **20%** increase in throughput by fine-tuning the optimal payload size for **5-minute** processing.
- **Developed a proof-of-concept** for REST APIs with dynamic data(sync/async), handling over **200K** serials in a single payload improving efficiency by **30%**.
- **Resolved 20+ critical bugs** in the inventory management module, enhancing functionality and scalability through generic scripts and queries.
- **Collaborated with the accounts payable team to devise an efficient** algorithm, restricting receipt corrections below invoiced amount for all product combinations, & shipped to **130** customers across the globe.
- Designed & implemented a novel algorithm for lot validation, for lots & serial splitting in pick confirm API.
- Developed 14 REST APIs crucial for **seamless transition of UI migration to Redwood**.
- **Mentored** & facilitated technical onboarding for new hires, ensuring smooth integration & accelerated productivity.
- Developed a **return for credit** feature for purchase order receipts, improving inventory accuracy by 25%, enabling returns without reopening POs, maintaining 3-way match compliance, and streamlining credit application to invoices for 1200 customers across the globe.
- **Migrated** RMA inbound request code from SOAP to REST, enhancing system scalability, resolving synchronization issues, and improving concurrency performance, resulting in a 15% boost in response time.
- Prepared and executed test cases for all features, **automated testing** with 15 UTPLSQL procedures and 10 JUnits, reducing technical debt and improving code coverage by 80%.

Rates Business Finance Intern — Jan. 2019 – June 2019
Deutsche Bank — *Mumbai, India*

- Collaborated with NY bookrunners weekly, cleared outstanding cash breaks in trade life-cycle.
- Identified & rectified system inefficiencies with Middle Office IT, enhanced system performance & reliability.

PUBLICATIONS

IoT Security Enforcement in the Edge Cloud Using Programmable Switch
Association for Computing Machinery's SIGCOMM 2022, Amsterdam

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Oracle SQL, PL/SQL, P4, Javascript, Shell scripting, NoSQL
Developer Tools: Linux, Git, Maven, Kubernetes, Oracle Cloud, JDev, Jenkins
Frameworks: Flask, JUnit, Spring, Springboot, log4j, Hibernate, Kafka
Others: Agile Software Development, Object Oriented Programming, Test-driven development, Microservices

EDUCATION

BITS Pilani — 8.03
Bachelors in Mechanical Engineering, Minor in Finance — *Aug. 2015 – June 2019*

IIT Hyderabad — 8.33
Masters in Computer Science — *Aug. 2020 – June 2022*

PROJECTS

Scaling IoT-Security enforcement | *Python, Flask, React, P4* — June 2021 – June 2022

- Explored feasibility of scaling MUD rules outside local network (e.g., edge network) - to improve network security for larger number of IoT devices, to achieve a 30% increase in the number of IoT devices.
- Built a system around the MUD rules to represent the core MUD solution (MUD file server, packet generator) in a P4 based BMv2 switch environment, resulting in a 25% reduction in rule installation latency.

Interactive messenger based on Total Ordered Multicasting | *C++* — May 2021 – June 2021

- Accomplished using two-fold approach - a central sequencer, and a decentralized ISIS algorithm

ACHIEVEMENTS

Achieved top **1%ile** in JEE Mains, Advanced, BITSAT, and GATE CS.
Secured **Global Rank 88** in Codechef Division 3 Contest 15.