

## EXPERIENCE

---

### Oracle Cloud

Senior Member Of Technical Staff

Bangalore, Karnataka

June 2022 - Present

- **Hot-Swapping Certificates:** Designed and implemented thread-safe **SSLContext manager** that monitored keystore files for changes, eliminating the need for server restarts and achieving zero-downtime certificate updates, **saving 5 engineer day per month**.
- **Zero-Trust Host Provisioning:** Drove the project to completion across all 6 repositories, ensure **100% security coverage** across **54 critical API** endpoints, eliminating high-risk vulnerabilities from **unauthenticated and unauthorized** inter-service communication during host provisioning.
- **Control Plane Hardening:** Led the security integration of critical control plane APIs with the central platform bar, implementing a complete **Authentication (AuthN), Authorization (AuthZ), and Audit Logging framework**. This initiative secured high-privilege operations, achieved 100% compliance with internal security mandates, and enhanced the system's overall security posture.
- **Automated Change Management:** Spearheaded a Change Management automation initiative using Python to automate routine operational tasks. This new framework cut manual processing time by over **90% (from 40 mins to under 3 mins daily)**, directly boosting operational efficiency and allowing the team to focus on high-value engineering projects.
- **Process Improvement:** Initiated an organization-wide effort to streamline the Knowledge Transfer process by designing a standardized KT template, **capturing details for 20 services to enable faster onboarding**. This reduced KT completion time by 30% and eliminated service ownership gaps.
- **Tech Stack:** Java, Python, Docker, Kubernetes, Jenkins, dropwizard, springboot, Cloud Security, Automation, Leadership

### Qualcomm

Engineer

Hyderabad, Telangana

June 2021 - June 2022

- **Rounded Corner:** Developed Rounded Corner feature to eliminate display light banding, enhancing visual quality across Snapdragon devices.
- **Concurrent-Writeback:** Designed and implemented Concurrent Writeback for Snapdragon 8th Gen3: multi-threaded service capturing live display data, achieving 16% energy efficiency gain.
- **DRM kernel drivers:** Collaborated on DRM kernel drivers, Android SurfaceFlinger, and proprietary Snapdragon post-processing engines.
- **Tech Stack:** Jira, VNC, Putty, gtest-unit, C, C++, Linux, bash, stl, thread, SQL

### Tech Talisman Engg. Pvt. Ltd.

Full Stack Developer

Jaipur, Rajasthan

Nov 2017 - Jul 2019

- **Project Description:** Developed Test Module (PHP + MySQL + Redis + AWS) and LMS (Node.js + MongoDB Atlas) for School Management System.
- **System Performance:** Implemented caching strategies with Redis & Elastic Cache to improve response time and reduce DB load.

### Tata Consultancy Services

Software Engineer

Kolkata, West Bengal

Aug 2016 - Nov 2017

## HIGHLIGHTS AND IMPACT

---

- **Leadership::** Mentored multiple engineers to mid-level roles, created onboarding and KT frameworks adopted across teams.
- **Technical Innovation::** Delivered system-level performance improvements and automation reducing operational effort by 90%+.
- **Scalability Focus::** Experience designing, optimizing, and maintaining large-scale distributed and cloud-based systems.

## EDUCATION & HONORS

---

- **International Institute Of Information Technology**

Hyderabad, Telangana

*Master of Technology in Computer Science; CGPA: 9.0*

*July 2019 - May 2021*

- **Gate'19 : 99.42 percentile** (AIR: 1343)

- **Deans List:** Awarded Deans List at IIIT-H for being in top **5%** of the batch.