

PRUDHVI DEEP MUTYALA

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SKILLS

- Java | C/C++ | JavaScript | TypeScript | React | Redux | Node.js | PL/SQL | OracleDB | MySQL | Redis | Bash | Git
- Oracle Cloud (OCI) | Oracle Integrations (OIC) | Docker | Kubernetes | OpenShift | Terraform | Jenkins | Junit | Selenium
- Micro-Services | REST Api | Distributed Systems | FullStack | Agile | SCRUM | Unit Testing | CI/CD | SCM

EXPERIENCE

Project Leader, Oracle Cloud

2/2023 - 8/2023

- Led end-to-end feature development for the inventory counting module on Oracle Cloud, from conceptualization to implementation, including design, execution, and performance/cost optimization.
- Implemented event-driven architecture (OIC) by decoupling inventory management and warehouse operations, this allowed independent scaling, flexible third-party integration and increased product adoption by 37%.
- Developed and implemented data archiving policies in the cloud, resulting in an 11% cost reduction by optimizing data storage and retrieval processes for improved efficiency and cost-effectiveness.

Senior Application Developer, Oracle Cloud

12/2020 - 2/2023

- Designed, proposed and rolled out a revamped, containerized build infrastructure for CI/CD using Docker, Kubernetes and Jenkins over 8 months, migrating over 300 jobs used by over 100 developers.
- Implemented circuit breakers using Resilience4j and fallback mechanisms, reducing service outage incidents by 23%, resulting in a more fault-tolerant microservices architecture.
- Consistently met or exceeded service level agreements by efficiently resolving customer issues within established time-frames. Resolved around 150 issues on priority.
- Continuous Integration/ Deployment pipeline integration, pull requests, code reviews, stress testing, unit/e2e testing.

Application Developer, Oracle Cloud

6/2018 - 12/2020

- Developed cloud-native applications of the Oracle SCM platform that are scalable, distributed, and highly available, using Java, React, Oracle DB, Pl/Sql, Oracle Lambda, and OpenShift.
- Introduced Redux for centralized state management, reducing UI latency by 19% and ensuring consistent real-time updates across diverse UI components.
- Built REST APIs from scratch, architecting scalable and fault-tolerant solutions from the ground up using Spring Boot.
- Completely automated the inventory platforms' user experience testing process by integrating Selenium webdriver.

EDUCATION

Arizona State University, Tempe, Arizona

8/2023 - 6/2025

Master of Science, Computer Science, **CGPA: 4.0/4.0**

International Institute of Information Technology, Hyderabad, India

8/2013 - 6/2018

Bachelor of Technology and Masters By Research in Electronics and Computer Engineering

PROJECTS

Serverless Chat Application, Cloud Computing

8/2023 - 12/2023

- Implemented a highly efficient serverless chat application, harnessing the power of AWS Lambda, API Gateway, and DynamoDB to create a robust and cost-effective solution.
- Achieved 500 messages/second throughput, scaling 200% during peak usage without performance compromise.

Wikipedia Search Engine, Information Retrieval and Extraction

1/2017 - 5/2017

- Implemented an efficient search engine (using Python) on a dump of Wikipedia data of 46GB.
- Tertiary Indexing for fast searching, which returns 50 queries per second. TF/IDF ranking was used.

MENTORSHIP

- Mentored Oracle new hires in coding boot camps, providing guidance and addressing onboarding challenges.
- **Computer Science Tutor** : Data structures & Algorithms | Information Systems | Network Theory.

ACHIEVEMENTS

- Certification for **Professional Scrum Master (PSM1)**.
- Global Service Award for outstanding customer service, Oracle.