PRUDHVI DEEP MUTYALA

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SKILLS

- Java | Python | JavaSript | TypeScript | Next | React | Node.js | PL/SQL | OracleDB | Cassandra | Redis | Memcached
- LangChain | SpringBoot | Docker | Kubernetes | OpenShift | Terraform | Jenkins | Selenium | AWS | Oracle Cloud
- Micro-Services | RESTful Api | Distributed Systems | FullStack | Agile | SCRUM | Unit Testing | CI/CD | SCM

EXPERIENCE

Project Leader, Oracle Cloud   *2/2023 - 8/2023*

- Led development of a customer engagement platform with OpenAI API proxies to generate custom campaigns, with an application interface for customers to customize responses using their own RAG embeddings.
- Achieved seamless API migration with zero downtime by validating the key performance metrics for the new APIs using a combination of traffic replay, sticky canaries and A/B testing.
- Optimized data archiving and retrieval for applications in Oracle cloud by automating data migration from high-cost storage to archival tiers based on usage patterns, reducing storage costs by 11%.

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.
- Enriched system metrics by integrating the platforms with telemetry, facilitating logging by correlating APIs with vector contexts.

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

Natural Language to SQL   *5/2024 - 8/2024*

- Developed an application to convert natural language into SQL using Cloudflare Worker AI and LLama 3.1.
- Tuned the application with RAG to support PostgreSQL and handle 500 requests/second while staying within the free tier limits.

Video Face Recognition   Demo   *8/2023 - 12/2023*

- Created an AWS-based application to identify faces and names in videos, fueled by a curiosity to uncover unknown actors in movies.

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)**.