

PRUDHVI DEEP MUTYALA

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SKILLS

- Go | TypeScript | JavaScript | Java | Python | HTML5 | Css3 | Sql | PL/SQL | OracleDB | SQLite | PostgreSQL | Redis
- React | TailwindCss | Node.js | Scikitlearn | PyTorch | SpringBoot | eBPF | Docker | Kubernetes | Helm | AWS | OCI
- Scrum | Distributed Systems | Interface Design | Microservices | Observability | CI/CD | *English Professional Proficiency*

EXPERIENCE

Project Leader, Oracle Cloud

2/2023 - 8/2023

- Led the rewrite of the PDF report generation pipeline in Go, leveraging commodity compute for rapid scaling, Redis for job state management, and S3 for ephemeral storage, cutting million-record processing time from 6 hours to 30 minutes.
- 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.
- Reduced storage costs by approximately 11% for applications in our cost center by identifying cold, latency-tolerant paths, migrating data to archival tiers, and improving lookup latency with Bloom filters.

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.
- Built high-level, reusable eBPF tooling with simple Apis for network diagnostics, tracing, and panic event decoding, enhancing observability and simplifying debugging in Kubernetes-driven microservices.
- Implemented circuit breakers using Resilience4j and fallback mechanisms to enhance error context during service degradation. This improved fault tolerance and reduced customer enhancement requests by 18%.

Application Developer, Oracle Cloud

6/2018 - 12/2020

- Owned the end-to-end development of Cycle Count RESTful services using SpringBoot, from writing code and reviewing external feature requests to managing release documentation and approvals.
- Migrated legacy JSF UIs to React, reducing build size by 60% by hosting static assets on a CDN and using Webpack bundle splitting to optimize caching and load times.
- Identified and addressed gaps in automation and manual test suites for the inventory module, enhancing coverage with JUnit for middleware and Selenium for automation, achieving 100% coverage for P1 flows and 90% for P2 and P3 flows.

EDUCATION

Arizona State University, Tempe, Arizona

8/2023 - 5/2025 (Expected)

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 Communication Engineering

PROJECTS

Stash

5/2024 - 8/2024

- A self-hostable, all-in-one bookmarking application for managing links, notes, and images, featuring AI-powered automatic tagging and full-text search.
- Supports locally hosted LLM models via Ollama, ensuring privacy and control, with all data securely stored in an embedded SQLite database.

Video Face Recognition Demo

8/2023 - 12/2023

- An elastic application built using Aws services that can scale out on-demand and detect faces present in a video.
- Extracted frames with faces from video using the Single Shot MultiBox Detector (SSD) algorithm, leveraging a pre-trained ResNet-34 CNN model for face recognition.

MENTORSHIP

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

ACHIEVEMENTS

- Certification for **Professional Scrum Master (PSM1)**.