Pran Prateep Burramsetty

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Professional Summary

Results-oriented engineer with 4+ years of experience driving efficiency and reliability in cloud-native systems at Oracle. Adept at delivering robust backend solutions and leading initiatives that improve service uptime, deployment agility, and cost optimization. Recognized for fast problem-solving, high ownership, and consistent delivery in complex engineering environments

Education

Indian Institute of Technology (IIT) Hyderabad
B.Tech in Engineering Physics, Minor in Electrical Engineering 2016 – 2020
GPA: 8.18/10

Technical Skills

Programming Languages:	Java, Python, SQL, Bash
Backend & Frameworks:	REST API Design, Flask, FastAPI, Maven, TestNG, Pytest, Unittest
Cloud & Infrastructure:	OCI, AWS (EC2, S3, Lambda), Docker
DevOps & Tools:	Jenkins, Git, Linux, Postman, Slack API, CI/CD Pipelines

Professional Experience

Oracle — DBCloud Tools & Test Dev, Bangalore

Senior Member of Technical Staff (SDE II) Nov 2023 – Present

- Designed and deployed scalable microservices and REST APIs for cloud diagnostics, improving observability and reducing downtime by 40%.
- Automated backend testing, boosting test coverage by 45% and cutting regression cycles by 35%.
- Simulated Autonomous DB environments using VMDB, cutting infra costs by 70%.
- Optimized CI/CD pipelines via Jenkins and Slack alerts, accelerating release cycles.
- Implemented diagnostics for 20+ endpoints, enhancing real-time visibility and uptime.
- Mentored junior developers and championed best practices through code reviews.

Member of Technical Staff (SDE I) Nov 2020 – Oct 2023

- Architected a distributed patch orchestration framework saving 100+ hours per release.
- Enhanced Java test frameworks to modularize services, cutting maintenance by 40%.
- Integrated fault injection at infra layers to improve resilience and RCA timelines.
- Automated 10+ microservice test suites, reducing QA time by 35%.
- Contributed across design, development, testing, and CI/CD in a hybrid setup.

Personal Projects

- **QKDSim:** Built a C++ simulator for BB84 quantum key distribution with noise modeling.
- **TxnAnalyser:** Built a Python app using playwright framework to download bank account statements and categorize transactions.