CHOWDA REDDY N

Software Engineering — Java & Spring Boot — Full-Stack Projects
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Summary

Computer Science graduate with nearly two years of Oracle experience developing Java test automation, extending reusable framework components, and investigating application issues through APIs and SQL. Built ReleasePilot using Spring Boot and React/TypeScript, with workflow tests and AI-assisted test generation. Combines hands-on full-stack project development with a quality-focused approach to maintainable software.

Experience

Oracle India Pvt. Ltd. 01/2025 – Present
QA Analyst 1 – Product Development *Bengaluru*

- Developed **10–15 Java/Selenium scripts**, contributing an estimated **15–20% of team automation scripts**; configured parallel execution to reduce estimated batch runtime from **60 minutes to 5–10 minutes**.
- Extended the existing framework with **reusable Java methods** for login, test data, API requests, customer/order creation, and order-summary validation, supporting consistent checks across feature scripts.
- Designed a **custom Codex skill** connecting Jira stories, bugs, and product documentation to structured test cases, Jira test records, automation implementation, and execution validation.
- Investigated application and data discrepancies using **SQL queries and API checks**; worked with Development and Product teams to clarify expected behaviour and validate corrections.
- Identified **40 unpublished APIs** in OpenAPI specifications and product documentation; coordinated their removal until publication, resolving a discrepancy spanning roughly four releases.
- Supported approximately **eight releases** through around **40 critical regression cases per release**, validating Payments, Tax, VAT, and customer/order functionality.

Allied Market Research 03/2024 – 06/2024
Research Analyst *Remote*

- Conducted quantitative and qualitative research for **60+ industry reports**, synthesizing market trends and insights to support strategic decision-making.
- Built dashboards and visualizations that reduced reporting time by approximately **30%**, turning research data into accessible insights for decision-making.

Core Skills

Languages: Java, Python, JavaScript, SQL; TypeScript (project experience)
Backend & Data: Spring Boot, Spring Data JPA, REST APIs, H2 (projects); Oracle SQL, MySQL
Frontend & Delivery: React, TypeScript, Vite, Docker, GitHub Actions, Render (projects)
Engineering Tools: Git/GitHub, Jira, Codex, Selenium WebDriver, TestNG, Postman
AI Project Experience: TensorFlow/Keras, CNN, ResNet50, OpenCV, Streamlit

Technical Projects

ReleasePilot – Release Quality Management Platform
GitHub Repository — View Live Demo

- Built a **Java/Spring Boot REST backend and React/TypeScript dashboard** linking requirements, test cases, execution evidence, and defects to help teams assess release readiness.
- Implemented explainable **GO/NO-GO rules** for blockers, missing coverage, and pass rates below 90%; added AI-assisted test drafts with human approval, workflow tests, and Docker/GitHub Actions configuration.

Breast Cancer Classification – College Team Project (2025)
GitHub Repository — View Live Demo

- Led a **two-person college project with equal contributions**, sharing code implementation, review, and deployment for histopathology classification using a custom CNN and ResNet50 in TensorFlow/Keras.
- Contributed to code review and deployment of the **Streamlit demonstration**; project includes augmentation, class weighting, model evaluation, and **OpenCV sample-image inference**.

Education

GITAM University Graduated 2025
Bachelor of Technology – Computer Science and Engineering *CGPA: 8.7/10*

Certifications

Oracle Generative AI Professional; Oracle AI Foundations Associate; Google Project Management Professional.

Achievements

- **2nd Place**, Code-A-Thon, GITAM University (150+ teams).