

Nitesh Tripathi

Senior Software Developer | SDET

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Summary

- Experienced Software Developer & Test Engineer with a 9+ year background in UI Development, QA Automation, and Agentic Engineering. Proficient in prompts design, JavaScript, React, TypeScript, and modern test automation tools like Vitest, Playwright, Cypress, and Jest.

Skills

- Token-Efficient Prompt Engineering | JavaScript | Typescript | Preact.JS | React | Node.js | Vitest | Cypress | Jest | Playwright | Git | CI/CD | Agile

Experience

Sr. Software Developer

Oracle

10/2024 - Present

- Leveraging Codex to co-architect Nitro AI Studio, enabling enterprise teams to create & publish requirement specific AI agents.
- Co-developed a Gen-AI driver UI that produces Oracle Redwood compliant page-templates 60% faster than manual development and real-time editor mode.
- Implemented 4 Codex Skills to automate repetitive tasks like release, upgrading dependencies, upgrading projects to work offline, and review PRs.
- Led the development of Redwood theme-compliant reusable components and page template wrappers in Preact + Typescript leveraging Codex.
- Contributed to upgrading OCI – Data Intelligence Foundation to Redwood UI using Oracle internal framework Maui.

Software Developer

10/2020 - 09/2024

- Implemented 100+ Cypress e2e/component tests and Jest unit tests for more than 30+ components and page templates.
- Partnered cross-functionally across development teams to drive features from engineering to production deployment using the RAPID framework.
- Implemented custom hooks, providers, fixed release blockers, accessibility issues, and partner-reported bugs on priority.
- Handled upgrading to the latest released version of the major dependencies like OJET, Cypress, Jest, and Typescript.
- Documented technical specifications on product features, breaking changes, migration steps, and known issues in the release notes.

Associate QA Analyst

12/2018 - 09/2020

- Implemented mono-repo using Lerna to maintain 17 packages in Node.js project.
- Integrated Cypress testing automation framework and upgraded 50+ Selenium test scripts to Cypress across sub-packages.

Associate Software Engineer

Accenture

01/2017 - 12/2018

- Designed and implemented Test Automation framework from scratch for 450+ test script regression suite using Selenium + Java.
- Automated 170+ Regression test suite test scripts of 450+ test scripts and reduced manual QA time by 37%.

Projects

Nitro

01/2026 - Present

- Tech Stack** – Codex | Preact | Typescript | JavaScript | Vitest
- Nitro is Oracle's Internal Developer Platform (IDP) for enterprise UI development, designed from the ground up for agentic engineering.

RAPID (Redwood Advanced Platform Integrated Development)

05/2023 - Present

- Tech Stack** – Codex | Preact | Typescript | JavaScript | Cypress | Jest | Webpack | Playwright | Storybook | Git | Node.js | NPM
- A Preact/VDOM/Webpack functional architecture, which provides a simpler, more flexible way to build OJET Redwood based applications.

RACC (Redwood Accelerators Core & Components) & LUX (Lightweight UI eXtension)

12/2018 – 04/2023

- Tech Stack** - OJET | JavaScript | Knockout | Node.js | Selenium WebDriver | Mocha | Sinon | Cypress | Storybook | Git
- A set of OJET web components that accelerates OJET Redwood application development with modern testing capabilities.

Education

Master of Computer Apps.

JECRC University

07/2014 - 06/2016