

DEEPAK VASANATI NANDA KUMAR

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Open to: Remote · Hybrid · Relocation

TECHNICAL LEADERSHIP OVERVIEW

Principal-level technologist with 10+ years in consumer fintech and a Master's in Information Science from Illinois Institute of Technology, focused on building and scaling AI-driven quality systems and automation infrastructure across engineering organizations while remaining hands-on in execution and technical leadership. Recently impacted by layoffs at Credit Karma and ready for my next chapter.

PROFESSIONAL EXPERIENCE

[Credit Karma](#) Charlotte, NC | Jul 2017 – May 2026

Principal SDET | Consumer Fintech: Credit Karma Money, Tax, Banking

- **AI Agentic Tooling:** Built the Testability module within Quality Engine, an AI-powered analytics platform with real-time Jira MCP integration. Per-team scorecards, AI-driven action items, and visual analytics across 10–12 cross-functional engineering teams. QE Director called it a model for engineering quality culture.
 - Cut test planning from 3–4 days to under half a day. Built a reusable AI workflow that turns feature designs and PRDs into structured, templated test plans and test cases with automatic uploads to the Test case management system.
 - Architected DTOS (Distributed Test Orchestration System), a config-driven Jenkins engine that auto-discovers TestRail cases and fans out parallel downstream jobs (Ruby, Cypress, Native) with execution-time-aware splitting. Delivers AI-powered Slack result summaries, and teams onboard new frameworks by editing a single JSON config.
 - Drove AI adoption across the QE team. Coached senior and staff QE engineers on Cursor and Claude for test authoring, debugging, and refactoring. Introduced AI code guidelines and guardrails directly into the test framework, so AI-generated tests follow team standards and stay consistent regardless of who wrote them.
- **CI/CD & Release Engineering:** Established Jenkins quality gates blocking PR merges on failures with post-merge integration testing suites; shift-left test pyramid adoption drives coverage closer to the unit layer, reducing over-reliance on brittle UI tests.
 - Owned QE on-call on PagerDuty: configured CI/CD and environment failure alerts, built a 4–5 engineer rotation with SLAs (15-min ack, 1-hr resolution), and enforced RCA plus a validated fix before any release on triggered alerts.
 - QE regression suite runs twice daily across all product verticals. Engineering teams rely on consistent pass rates as a codebase health signal, which enables confident daily deployments of GraphQL API services without manual verification overhead.
- **Developer Enablement:** Designed and shipped a developer-adoptable quality framework in partnership with engineering leaders, including a dev runbook for self-service test debugging. Drove developer contributions to automation for new feature releases, which reduced QE dependency on feature-level test coverage.
 - Drove adoption of Playwright MCP on the CK Money team; used Platform Engineering's Claude Code skill to automate feature validation across web, Android, and iOS simulators during active feature development, catching defects earlier and reducing bug leakage into QE testing.
- **Test Automation & Frameworks:** Built automation from zero. Migrated Ruby to Cypress/TypeScript in 3 months (AI-assisted, 3x faster than manual), with results: 36% faster GraphQL runtime, ~20% UI improvement, and suite pass rate from ~40% to 90%+ via AI-assisted flaky test detection and remediation.
 - Built the full GraphQL API suite as the primary P0 release gate. Cypress custom commands cut test authoring time; Applitools handles visual regression with baseline comparison across twice-daily runs.
 - Built native mobile automation for iOS (XCUITest) and Android from scratch, delivering end-to-end coverage across both platforms. Later consolidated to Cypress via embedded web view, achieving faster execution and reduced maintenance overhead.
- **Quality Strategy:** Owned end-to-end quality for CK Money and Tax. Established 100% P0 test coverage as a release standard by aligning with engineering leaders, and held zero P0 user-facing defects in production for over a year.

- Leadership & Cross-Team Impact: Mentored QE engineers at all levels, including career-changers from non-technical backgrounds transitioning into QE. Drove broader automation ownership, code reviews, test pyramid adoption, and quality standards across the team, including offshore resources.
 - Partnered cross-functionally with PMs and engineering leads from feature inception to release, enforcing quality benchmarks and defect accountability across the team.

[Larsen & Toubro Infotech \(LTI\)](#) Bengaluru, India | Jan 2013 – Apr 2015

Software Engineer: QA & Test Automation

- Designed and executed test strategies across the full SDLC: PRD analysis, test planning, execution, and defect management for enterprise multi-team projects.
- Automated regression suites using Selenium WebDriver, TestNG, and Java; applied Cucumber/Gherkin BDD for behavior-driven test scenarios; API testing with Postman; load testing with JMeter; database validation with SQL and HP Quality Center (ALM).

EDUCATION

Master of Science — Information Science & Management | GPA: 4.0 | May 2017

Illinois Institute of Technology, Chicago, IL

Bachelor of Engineering — Information Science & Engineering | GPA: 3.7 | Apr 2012

Visvesvaraya Technological University, Belgaum, India

CORE COMPETENCIES

AI Agentic Tooling: Claude, Cursor, GitHub Copilot, Jira MCP, MCP Servers

Test Automation & Frameworks: Cypress/TypeScript, Playwright, Selenium WebDriver, TestNG, Appium, Applitools, SauceLabs, automation framework design

API & Performance: GraphQL Automation, REST Assured, Postman, JMeter

CI/CD & DevOps: Jenkins, Docker, PagerDuty, Quality Gates, DORA Metrics

Test Management: Jira, TestRail

Languages: TypeScript, JavaScript, Java, Ruby, SQL

Testing Practices: End-to-End Testing, Integration Testing, Cross-browser Testing, Mobile Testing, Performance Testing, Quality Assurance, Regression Testing

Domain: Consumer Fintech, Banking & Lending, Tax Software, Agile, Scrum, BDD, Shift-Left Testing