

CORE COMPETENCIES

- Quality Architecture & Strategy
- Quality Gates & Release Governance
- Automation Framework Architecture
- CI/CD Pipeline Design
- AI-Driven Quality Engineering
- Intelligent Test Generation & Triage
- Reliability & Performance Engineering
- Test Infrastructure at Scale
- Incident Response & On-Call Frameworks
- Org-Wide Standards Adoption
- Shift-Left & Risk-Based Testing
- Microservices & API Quality
- Test Data & Environment Management
- Engineering Productivity
- Technical Mentoring & Hiring
- Executive Stakeholder Partnership

TECHNICAL SKILLS

AI for Quality: Claude Code, GitHub Copilot, Cursor, MCP, AI Agents, GenAI — applied to test generation, failure triage & root-cause analysis

Languages: Java, JavaScript, Python

Test Automation: Selenium, Playwright, TestNG, pytest, REST Assured

API & UI: REST API automation, API testing, web UI automation, microservices testing

Performance & Reliability: JMeter, k6, performance benchmarking, environment reliability engineering

CI/CD & DevOps: Jenkins, Git, Docker, Kubernetes, continuous testing pipelines

Cloud & Infrastructure: AWS, Terraform, cloud-native test infrastructure

Methodology: Agile/Scrum, SDLC, shift-left, risk-based testing, defect lifecycle management

EDUCATION

Bachelor of Engineering (B.E.)

PES Institute of Technology
Bangalore, India | 2011

LEADERSHIP DEVELOPMENT

Manager Capability Program

Coaching, performance management, and team effectiveness for technical leaders.

RECOGNITION

- Spot Award (2024)** — high-impact CI optimization that transformed automation efficiency and release velocity.

PROFILE SUMMARY

- Quality engineering leader with **14+ years** architecting test strategy, automation frameworks, and release quality gates for **large-scale SaaS and regulated FinTech/banking platforms** — setting the standards that multiple engineering teams build on.
- AI-first practitioner:** embeds AI-driven test generation, intelligent failure analysis, and automated triage into daily quality workflows using Claude Code, GitHub Copilot, Cursor, MCP, and AI agents — with guardrails to keep AI-produced test artifacts reliable and reviewable.
- Deep expertise in **automation framework architecture, CI/CD pipeline design, quality gate implementation**, and cloud-native continuous testing across microservices and API-driven systems.
- Drives **org-wide adoption of technical standards** by building infrastructure teams choose to use — influencing peers, partner teams, and leaders outside a direct reporting line.
- Owns the **reliability and performance side of quality:** execution infrastructure at scale, 99.9% environment reliability, performance benchmarking, and AI-enhanced on-call and incident-response frameworks.
- Mentors SDETs and engineers, raises the bar on hiring for quality mindset, and translates quality strategy into **measurable business outcomes** — defect reduction, release velocity, and delivery confidence.

WORK EXPERIENCE

Lead – Software Development Engineer in Test | Zeta

May'25 – Present

- Own **quality architecture and test strategy** for a large-scale banking platform, leading a team of **7 SDETs** and defining standards, coverage targets, and release quality gates across critical financial workflows.
- Architected and drove adoption of an API automation framework across the backlog, taking coverage from **0% to 100%** and cutting **critical release-cycle defects by 80%**.
- Brought **AI into the quality workflow** — AI-assisted test generation and MCP-based tooling for API and UI automation — lifting end-to-end automation efficiency by **60%**.
- Designed an **AI-enhanced on-call and test-failure-analysis framework** for automated defect triage and root-cause analysis, compressing debug-to-fix cycles by **20%** while strengthening operational coverage, ownership, and accountability.
- Partner with Product, Engineering, and DevOps leadership to **balance release velocity against system health**, translating quality strategy into release-readiness and delivery-confidence outcomes.
- Mentor SDETs across teams on automation architecture, framework adoption, and quality-first problem solving; champion practices that raise engineering maturity beyond team boundaries.

HackerRank — Bangalore, India | Enterprise SaaS platform

Jun'15 – Apr'25

Staff Software Development Engineer in Test

Jul'22 – Apr'25

- Led a **team of 5 SDETs**, setting technical direction, reviewing automation design, and growing team capability while owning quality outcomes for the platform.
- Defined **test strategy and quality standards** for a high-traffic SaaS platform, driving a **65% reduction in critical defects** (120 → 42 per month).
- Re-architected the automation execution layer for **2,300+ test cases**, making the suite **4x faster** (8 hours → 2 hours) and unblocking faster, more frequent releases.
- Established automation best practices, framework patterns, and quality gates **adopted by engineering teams outside my own**, improving coverage and execution efficiency across product areas.
- Continuously **evaluated and introduced new tools, patterns, and practices** to keep the quality approach current as the platform scaled.

Senior Software Development Engineer in Test

Jan'20 – Jul'22

- Engineered **cloud-based virtual-display execution infrastructure** for 2,300+ UI scenarios, enabling **90% faster deployments** (45 minutes → 4 minutes).
- Optimized test infrastructure to **reduce cost by 45%** while sustaining **99.9% test environment reliability** against defined reliability targets.

- Diagnosed and removed infrastructure bottlenecks to improve execution reliability and reduce flakiness across the automation estate.

Software Development Engineer in Test

Jun'15 – Jan'20

- Architected UI automation frameworks on **Selenium and TestNG**, reducing test execution time by **70%** (5 hours → 1.5 hours).
- Automated **150+ critical test cases at 98% reliability**, materially improving regression coverage and release confidence.

QA Automation Engineer | Sapient Global Markets — Bangalore, India

Mar'12 – Jun'15

- Built automation frameworks for **capital markets** engagements that reduced manual testing effort by **60%** and improved execution efficiency.
- Designed comprehensive test scenarios and automation suites to improve validation efficiency and proactively reduce quality risk in a **regulated financial services** context.

SELECTED IMPACT

- **Quality architecture at scale:** designed automation frameworks and execution infrastructure supporting thousands of test cases across SaaS and banking platforms — consistently converting architecture work into 4x–10x execution gains.
- **AI-first modernization:** among the earliest adopters of MCP, AI agents, and GenAI tooling for test generation, failure analysis, and root-cause triage — with critical evaluation of AI output rather than blind acceptance.
- **Influence without authority:** trusted to lead strategic quality initiatives and set standards adopted by teams and leaders across reporting lines.
- **Quality culture:** advanced a quality-first mindset through shift-left practices, mentoring, and continuous-improvement rituals that outlast individual projects.