

# VIGNESHRAJ SEKAR BABU

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High-leverage engineer with years of experience specializing in Test Automation, Developer Productivity and Platform Engineering. Built scalable test automation frameworks, internal tooling and ephemeral environment orchestrator that accelerates engineering velocity.

## SKILLS

**Languages** | Javascript | Typescript | Python | GoLang

**Tools & Platforms** | Kubernetes | Helm | Docker | Datadog | Codefresh | Playwright | NextJS | Selenium | Behave(Python) | Appium | Terraform

## PROFESSIONAL EXPERIENCE

**GoodRx** | **Sr Software Engineer** (2019 - PRESENT) | Los Angeles

- Open-sourced a dev environment orchestrator called [Lifecycle](#) which generated over 18k+ environments on demand enabling engineers to spin up full-stack preview environments per pull request, reducing reliance on shared dev and staging environments while eliminating testing bottlenecks.
- Re-architected deployment pipelines to guarantee a <40-minute commit-to-production lead time.
- Built custom tool, Github Actions and webhooks to route granular Slack notifications, significantly reducing alert fatigue for owning teams.
- Developed frontend automation tools with Playwright supporting NextJS applications and instrument apps (mocking props) for integration UI tests.
- Worked across teams to enhance the incident automation workflow leveraging Pagerduty, automating partial SRE workflows during triage.
- Drove a Shift Left quality strategy, achieving 80+% developer contribution to test suites and improving test suite health to >90% reliability via automated HTML reporting and telemetry to Datadog.
- Packaged Playwright as an internal Node module with built-in authentication, mocking, and telemetry. This standardized testing across micro-frontends, allowing teams to adopt integration testing with zero configuration.
- Published private node packages for utilities - identify new tests and check for flakiness, create test data, fetch verification codes from email/sms accounts.
- Built Chrome extensions to inject Datadog tracing context into manual workflows, bridging the gap between automated and manual debugging.
- Developed a custom GoLang CLI with AWS Lambda and API Gateway that reduced test data creation time by 200%+, unblocking QA bottlenecks.

## **Cognizant | Automation Engineer (2019) | Indianapolis**

- Designed a scalable, keyword-driven test framework (Java/Selenium) used across multiple frontend and backend teams, standardizing reporting via Extent Reports.
- Integrated automated regression suites into Jenkins CI pipelines, providing immediate feedback loops for developers.
- Built custom JIRA integrations to automatically map test execution results to test plans, improving visibility for product owners.

## **Tech Mahindra | Software Engineer (2011 - 2019) | Chennai & St. Louis**

- Developed test automation solution with Java, Selenium for CMS applications.
- Prepared test plans and scenarios for EXACT applications for Telecom domain.
- Supported and developed the migration of legacy ASP applications to modern .NET frameworks, ensuring business continuity for telecom partners.
- Created ad-hoc reporting tools for sales data, collaborating directly with Product teams and DBAs to optimize query performance during critical application migrations.

## **RECOGNITIONS**

**2024** | Recognized as one of the best engineers in GoodRx for impact and results

## **EDUCATION**

Bachelor of Engineering | 2007 - 2011 | Anna University, Chennai, India