Srilakshmi K Balakrishna

R&D QA Engineer → Platform QA · AI · Python · Automation

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4+ years Nokia | 349+ stories · 600+ bugs | 50+ campaigns · 10+ tools built | Open to Senior QA · SDET

PROFILE

Platform QA engineer with 4+ years at Nokia building the tools her team actually runs on. Owns full test lifecycle for major platform epics — strategy, automation, campaign execution, and internal tooling. Ships Python/Flask/React QA tools, Playwright automation, and Jenkins pipelines; reduces manual validation time every release. AI-first workflow with Copilot and Cursor for code generation, test synthesis, and faster delivery. Open to senior QA, SDET, and AI-assisted engineering roles.

SKILLS

QA & Automation	Test Strategy · Campaign Ownership · Manual & Regression QA · Defect Management · Platform QA · Jira · Agile / Scrum
Learning now	pytest · API testing · TypeScript · React · Playwright (TS) · AZ-900
Automation & Testing	Python · Playwright · Selenium · Shell / Bash · JavaScript · SQL — used daily at Nokia
DevOps & Infrastructure	RHEL 8 & 9 · Rocky Linux · Docker · Kubernetes · Jenkins · Git
AI & Dev Productivity	GitHub Copilot · Cursor · Prompt Engineering · LLM tooling · Generative AI · Flask · FastAPI · LangChain
Dev Tools & Workflow	Jira · Confluence · VS Code · PyCharm · SQL · Agile / Scrum · Figma
Exploring	React · HTML5 / CSS3 · Next.js · Tailwind · Angular · Node.js

EXPERIENCE

R&D QA Engineer — SVT-Platform

Jan 2023 – Present

Nokia Solutions and Networks · Bengaluru

- Own end-to-end test coverage for major platform epics — strategy, test story authoring, case design, campaign execution, and defect management across release cycles.
- Build AI-assisted automation and internal QA tools in Python, Flask, React, Playwright, and Selenium — 10+ tools shipped, 50+ campaigns owned, 349+ stories delivered, 600+ bugs filed.
- AI-first engineering with GitHub Copilot and Cursor — code generation, test case synthesis, refactoring, and debugging to accelerate delivery and coverage.
- Managed containerised test infrastructure: Docker, Kubernetes, Jenkins CI/CD across RHEL 8/9 and Rocky Linux; daily CLI tooling, log analysis, distributed validation.
- Collaborated with R&D and platform engineers in Agile sprints; tracked work in Jira/Confluence; presented test plans, results, and process improvements to senior stakeholders.

Python · Playwright · Selenium · Flask · React · Docker · Kubernetes · Jenkins · GitHub Copilot · Cursor · Jira · Optical NMS · Agile

Graduate Engineer Trainee

Aug 2022 – Jan 2023

Nokia Solutions and Networks · Bengaluru

- Onboarded onto WaveSuite SVT-Platform; ramped on telecom domain, internal tooling, and QA processes. Manual test execution, test case authoring, documentation, and automation foundations.

Manual Testing · Documentation · Defect Tracking · Telecom Domain

Student Intern

Feb 2022 – Jul 2022

Nokia Solutions and Networks · Bengaluru · MCA Final-Year Project

- Built Log Management CLI in Python — display loggers, change/reset levels (INFO, DEBUG, TRACE, ERROR, WARNING) per container, HA-aware mode detection across distributed setups.
- Authored and executed 28+ Jira-tracked test cases; supported QA with test creation, execution, and defect reporting across platform features.

Python · CLI tooling · Log Management · Jira · QA Fundamentals

KEY QA TOOLS & PROJECTS SHIPPED

- **Platform Automation Web App** — Flask + Playwright agent for backup, restore, uptime, process management; REST APIs + headless UI. Daily team usage; saves hours per release.
- **Migration Hub** — React + FastAPI + TypeScript for database migrations — SSH execution, live log streaming, schema diffing, WebSocket updates. 12+ customer migrations.
- **Deployment Orchestrator** — Python wrapper automating VM prep, ISO download, installation, license acquisition. Checkpoint/resume, batch execution, resource calculation.
- **Platform Quality Dashboard** — Python + BeautifulSoup + Chart.js pulling test metrics into KPI cards and health charts vs scattered HTML reports.
- **Log Management CLI** (evolved 4 years) — configure log levels across platform containers; display loggers, reset/change levels, HA-aware detection.
- **Uptime & Reporting Suite** — Docker/K8s uptime checker, ProcessManager XLS generator, migration CSV comparator, log guide viewer (Flask). AI-assisted.
- **Jenkins CI/CD Pipelines** — automated regression across backup, process management, install/upgrade, platform CLI. Owned campaign analysis for automation initiative.

CERTIFICATIONS & CONTINUOUS LEARNING

- AI Fundamentals — Google AI Professional Certificate, Coursera
- Work Smarter with AI — Microsoft
- Claude Code 101 — Anthropic Academy
- CSS (Basic) — HackerRank
- Introduction to Generative AI & Agents — Microsoft
- Build Your First End-to-End Test with Playwright — Microsoft
- Learn the Command Line — Codecademy
- Intro to AI Coding with Cursor — Codecademy
- Work Smarter with AI using Microsoft Copilot — Microsoft
- Claude 101 — Anthropic
- Introduction to AI Concepts — Microsoft
- Describe Cloud Service Types — Microsoft
- Learn Prompt Engineering — Codecademy

Currently building: Editorial portfolio (HTML5, CSS3, vanilla JS) · React + TypeScript portfolio rebuild · AI-powered chat tool (Python + FastAPI + React + LangChain)

Deep expertise: Test strategy & campaign ownership · Python automation & scripting · AI-assisted development (Copilot, Cursor, LLM tooling) · Prompt engineering for engineering workflows

EDUCATION

Master of Computer Applications (MCA) — Computer Science 2020 – 2022
PES University, Bengaluru · CGPA 7.1 / 10

Bachelor of Computer Applications (BCA) 2017 – 2020
The Oxford College of Science · Bangalore University · CGPA 8.1 / 10

SSLC · KSEEB Karnataka 2015
Carmel Convent High School · 91.68% — Pratibha Puraskara awardee (state distinction)

ABOUT ME

QA engineer who builds — not just finding what's broken, but shipping the tool, script, or automation that makes the next cycle faster. 4+ years in enterprise NMS at Nokia, balancing domain depth with AI-assisted development and internal tooling.

Passionate about prompt engineering, structured LLM workflows, and roles that blend testing rigor with building. When not optimizing test frameworks: singing, reading, crafting, pastel aesthetics. Based in Bengaluru.

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