ARUNKUMAR **KABILAN**

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Motivated Technical Engineer with 6 years of experience building automation frameworks for mobile and web applications. Skilled in designing scalable test frameworks, API, UI automation, performance, chaos testing, and driving automation adoption across teams. Proven track record of delivering high-quality releases, mentoring engineers, and contributing to multi-million-dollar operational savings.

WORK

AMAZON, CHENNAI | NOV 2022 – PRESENT

SDET / QAE, DIGITAL EMERGING PAYMENTS | JUN 2024 – PRESENT

- Owned releases for payments methods across Amazon emerging countries (MX, BR, AU, SG, TH and PH)
- Led the development of a **GenAI-driven UI automation framework** that allows teams to run browser and mobile tests using simple natural language prompts—making testing faster and more accessible.
- Designed and implemented a **scalable device farm** at the org level, enabling QA teams to efficiently utilize mobile devices for automated and manual testing.
- Drove automation adoption across multiple peer teams, helping them achieve full test coverage and reduce manual effort—recognized with **two Operational Excellence awards** for these contributions.
- Integrated CI/CD pipelines to automatically trigger tests on code changes, ensuring rapid and reliable deployment.
- Developed reusable test infrastructure for **non-functional testing** (chaos, load, stress), significantly improving platform resilience.
- Collaborated with cross-functional teams to define automation best practices and mentor junior engineers in advanced test design techniques.
- Actively participated in 50+ interview loops to hire high-bar engineers.

QAE, VEGA OS (ALEXA & FIRE TV) | FEB 2024 – JUN 2024

- Designed automation strategies for **multimedia playback systems**, ensuring robust content handling across platforms.
- Maintained a CI/CD pipeline for test execution on every commit, improving efficiency and reducing regression defects.

SDET / QAE, LAST MILE DELIVERY TECH (STATION TECH) | NOV 2022 – FEB 2024

- Implemented gray-box testing strategies for complex last-mile logistics systems **across different platforms**, ensuring comprehensive integration, performance, and security testing coverage.
- Built internal automation frameworks and **API-based mock services** to simulate real-world delivery scenarios.
- Automated daily reports and dashboards with **director-level visibility**, reducing support workload and accelerating incident response across teams.

ZOHO, CHENNAI | DEC 2019 – OCT 2022

MEMBER OF TECHNICAL STAFF, M365 MANAGER PLUS | OCT 2020 – NOV 2022

- Managed release cycles and ensured end-to-end product quality for M365 Manager Plus.
- Developed internal automation tools to assist debugging and regression testing.
- Build REST Assured suites for Microsoft Graph, Azure AD, Exchange Online, and IAM/IDM policies and workflows.
- Performed security checks (XSS, CSRF, CVE) and improved product stability.
- Provided developer-side assistance to support engineers, ensuring quick issue triage during customer escalations.
- Recognized with four performance bonuses for engineering excellence and initiative.
- Mentored new joiners with structured training and weekly product knowledge sessions.

PROJECT TRAINEE, M365 MANAGER PLUS | DEC 2019 – SEP 2020

- Worked in Identity Management solution with Active Directory, Azure AD, and Exchange Online.
- Developed Selenium based UI automation in Java to reduce manual regression effort.
- Participated in on-the-job training, working closely with supervisors and coworkers and asking appropriate questions.

TECHNICAL SKILLS

Languages & Scripting: Java, Python, JavaScript, TypeScript and Shell Scripting.
Testing: Selenium, Appium, API, Rest Assured, Pytest, TestNG, JUnit, AWS FIS, Mock Service and Service virtualization, Performance, Resiliency, XCUI, Compatibility, Localization, Security (XSS, CSRF, CVE, Authentication/Authorization), and Accessibility.
AI & LLMs: Gen AI Automation, Amazon Bedrock, LLMs, MCP, Agentic browser and Prompt Engineering.
Cloud & Infra: AWS (S3, DDB, CloudFront, AWS CI / CD Code pipeline, CloudWatch, Lambda, EC2, ECS, Fargate, Device Farm, CDK and SDK).
Leadership: Test Architecture, Release Management, Code Reviews, Cross team collaboration, Mentoring and Hiring.

ACCOMPLISHMENTS

- Finalist and Runners-up in **Smart India Hackathon 2019**; served as **Evaluator** in 2022.
- Delivered a live project for **Goldman Sachs** during pre-final year.
- Won **Best Project of the Year (2018)** at MVIT Technical Club.
- Regional Qualifier in **TCS CodeVita** (2019 & 2020).
- NPTEL DBMS – Elite Grade.
- Built a **500-day LeetCode streak** through a daily coding challenge, showcasing commitment to improving algorithmic thinking and coding skills.

EDUCATION & OTHER INFORMATION

EDUCATION	:	B. TECH (CSE) – FIRST CLASS
LANGUAGES KNOWN	:	TAMIL AND ENGLISH
DATE OF BIRTH	:	04TH JUNE 1999