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Rakesh Vardan He/Him
Principal Software Engineer @ Medtronic • Test Automation Architect • Mentor • Tech Blogger • Speaker
Hyderabad, Telangana, India · [Contact info](#)

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About

Software Development Engineer in Test (SDET) with over 15 years of comprehensive experience in the technology industry. I possess a unique blend of software development, automated testing, and DevOps expertise, that enables seamless integration and efficient problem-solving at all stages of the development lifecycle. Proficient in various development languages, I possess a deep understanding of building and improving applications. As an experienced professional in crafting effective automated testing frameworks and methodologies, I have a proven track record of enhancing software quality, functionality, and performance. My hands-on experience with DevOps practices and tools brings invaluable expertise in streamlining workflows, enhancing communication and coordination between teams, and promoting faster and more reliable delivery. I am keen on harnessing these integrated skills to continuously create, improve, and maintain high-standard, scalable software solutions.

As a leader, I am dedicated to fostering an environment that encourages continuous learning, growth, and innovation. With a solid understanding of continuous integration and experience in implementing robust test automation frameworks, I aim to use my expertise to drive business growth and operational excellence.

Featured

Link



Automation Testing Online Course
geeksforgeeks.org

A self-paced automation testing course (~40 hrs.) developed in collaboration with GeeksForGeeks, offering a comprehensive and detailed learning experience.

Link



Rakesh Vardan - Lead Software Engineer in Test @ EPAM Systems Testistanbul Conference

My conference talk on Open Source Local LLM's

Link



Rakesh Vardan
rakeshvardan.com

Rakesh Vardan's Portfolio Site
Rakesh Vardan

My personal site where I share my experiences with different technologies, learning, challenges, etc.

Profile language

English

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[www.linkedin.com/in/rakeshvardan](#)

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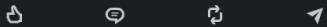
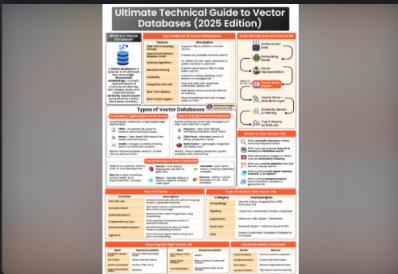
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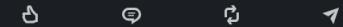
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Congratulations to the engineers working on our groundbreaking robotics platforms around the world! Together, your focus on elevating surgical precision, predictability, and personalization for patients has helped Medtronic earn the 2025 Surgical Robotics Industry Award for "Outstanding Company"! [...more](#)

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Experience

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Principal Software Engineer

Medtronic · Full-time

Nov 2024 - Present · 9 mos

Hyderabad, Telangana, India · Hybrid

- Leading quality engineering initiatives for high-impact medical device software in the CRM division.
- Delivering compliant solutions in a regulated healthcare environment.
- Building scalable test automation frameworks using C#, .NET, and Python.
- Driving CI/CD practices aligned with healthcare industry standards.
- Leveraging Generative AI to develop tools that enhance automation efficiency and reliability.
- Creating utilities to improve test maintainability, productivity, and coverage.
- Collaborating cross-functionally to ensure safe, high-quality software delivery in the med-tech domain.

Test Automation Tools, C# and +16 skills



EPAM Systems

Full-time · 7 yrs 8 mos

Lead Software Development Engineer in Test

Dec 2020 - Nov 2024 · 4 yrs

Hyderabad, Telangana, India · Hybrid

- Played the Principal Software Engineer Role (Contingent) at Mastercard
- Spearheaded the design and maintenance of enterprise-grade test automation frameworks to ensure quality at scale.
- Led DevOps transformation efforts by integrating test automation into CI/CD pipelines, enabling faster and more reliable releases.
- Provided technical mentorship and career guidance to a team of 4 engineers as a resource manager.
- Actively contributed to EPAM's organizational initiatives by:
 - Conducting technical interviews and promotion assessments
 - Delivering internal training sessions to uplift automation and DevOps capabilities
 - Leading knowledge-sharing initiatives and fostering a strong engineering culture
- Led a Generative AI PoC at Mastercard, solving quality engineering challenges across use cases.
- Supported EPAM-wide AI initiatives by:
 - Creating and presenting training materials and demos for stakeholders, including VPs and clients
 - Evangelizing AI-driven quality practices across teams via documentation, sessions, and workshops

Pivotal Cloud Foundry (PCF), Jenkins and +23 skills

Senior Software Development Engineer In Test

Apr 2017 - Dec 2020 · 3 yrs 9 mos

Hyderabad, Telangana

- Led a QA team on a greenfield project for a global financial services client, successfully delivering a GDPR-compliant product to production within 9 months.

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compliant product to production within 3 months.

- Established testing foundations, including test strategy, automation frameworks, and CI pipelines, in a complex enterprise environment.
- Developed robust test automation to support continuous integration and frequent releases with high confidence.
- Collaborated closely with developers and stakeholders to define agile-aligned test approaches and ensure quality from day one.
- Played a key role in enabling fast feedback cycles, release readiness, and long-term test scalability.

▽ Scaled Agile Framework, Financial Services and +9 skills



DXC Technology

Full-time · 7 yrs 2 mos

● Senior Professional Engineer

Jul 2014 - Feb 2017 · 2 yrs 8 mos

Hyderabad, Telangana, India

- Delivered automation and functional testing solutions for clients in the telecom and insurance domains, including onsite engagement in Karlskrona, Sweden.
- Conducted real-device mobile testing and validated the full lifecycle of telecom services - billing, invoicing, provisioning, and customer onboarding.
- Focused on system-level testing, collaborating closely with client counterparts to ensure delivery of high-quality, end-to-end solutions.
- Identified automation opportunities and aligned testing efforts with project timelines and quality goals.

▽ Team Leadership, Telecom Domain and +6 skills

● Professional Engineer

Apr 2011 - Jun 2014 · 3 yrs 3 mos

Chennai, Tamil Nadu, India

- Worked on functional testing for a U.S.-based insurance client, ensuring application quality through detailed test plans and regression execution.
- Verified fixes and maintained traceability using defect tracking tools to support release readiness.
- Automated test reporting by developing Excel macros, improving efficiency across the QA team.
- Took on early team coordination responsibilities, laying the foundation for future leadership roles.

▽ VBScript, Microsoft Excel Macros and +4 skills

● System Engineer

Jan 2010 - Mar 2011 · 1 yr 3 mos

Chennai, Tamil Nadu, India

- Performed functional testing for a major healthcare client (NHS UK), ensuring system reliability and compliance.
- Logged reproducible bugs, verified fixes, and worked closely with developers on resolutions.
- Contributed to stable test automation using HP QTP, and explored early-stage automation with Selenium.

▽ HP QuickTest Professional (QTP), Selenium WebDriver and +3 skills

Education



Jawaharlal Nehru Technological University, Anantapur

BTech - Bachelor of Technology, Electrical and Electronics Engineering

2005 - 2009

Licenses & certifications



Introduction to Artificial Intelligence

LinkedIn

Issued Jan 2024

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▽ Artificial Intelligence for Business and Artificial Intelligence (AI)



Introduction to Prompt Engineering for Generative AI

LinkedIn

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Skills



LoadRunner

 Lead Software Development Engineer in Test at EPAM Systems

Blazemeter

 Lead Software Development Engineer in Test at EPAM Systems

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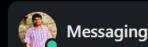
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