Karthick Velmurugan
Software Automation Test Engineer / Software Development Engineer in Test

Address: Flat # 2TE, 2nd Block, 3rd Floor, Thazhambur main Road, Thazhambur
             Chennai, Tamilnadu, India - 600130
Email: velkavikarthik2000@gmail.com   **Mobile**: +91 9080770586
https://www.linkedin.com/in/karthick-velmurugan-b13bb7208

Professional Summary

                        Highly motivated and detail-oriented Software Automation Test Engineer / Software Development Engineer in Test (SDET) with 2+ years of experience in designing, developing, and executing automated test scripts. Proficient in various testing frameworks and tools, with a strong background in software development life cycle (SDLC) and quality assurance. Adept at identifying bugs and ensuring the delivery of high-quality software products.

Technical Skills

Test Automation: Android & iOS

Programming Languages: Java, Python, JavaScript

Testing Frameworks: Espresso, Appium, Selenium, JUnit, TestNG, Kif and XCUI

Tools: JIRA, Jenkins, GitHub, Copilot AI, JetPack Compose, Android Studio, XCode,
        Eclipse

Databases: MySQL

Operating Systems: Windows, MacOS

CI/CD: Continuous Integration / Continuous Deployment

Others: Agile Methodologies, API Testing, UI Testing, E2E Testing, Regression Testing

Education

Master of Technology in Software Engineering

Vellore Institute of Technology, Vellore, India

Graduated: April 2022

Certification

ISTQB Certified Tester – Foundation Level

Professional Experience

Software Automation Test Engineer / Software Development Engineer in Test (SDET)
Tata Consultancy Services, Chennai, India.   July 2022 – Present (2 Years 1 Month)
Domain: Telecommunication / Media   Client: Comcast, USA

- Developed and maintained automated test scripts for Android and iOS applications using Espresso, Appium, and Selenium, ensuring comprehensive test coverage and high-quality releases.
- Utilized Java, Python, and JavaScript to build and enhance automation frameworks, driving efficiency and reliability in the testing process.
- Integrated automated tests into CI/CD pipelines with Jenkins and GitHub, facilitating continuous integration and continuous deployment for rapid and reliable software delivery.
- Conducted API Testing, UI Testing, E2E Testing, and Regression Testing to validate functionality, performance, and user experience across different platforms and environments.
- Leveraged tools such as JIRA for defect tracking and project management, Copilot AI for coding assistance, JetPack Compose for Android UI development, and IDEs like Android Studio, XCode, and Eclipse for development and testing.
- Managed databases using MySQL, ensuring data integrity and seamless integration with test scripts.
- Worked with Windows and MacOS operating systems to ensure compatibility and performance across different environments.
- Adhered to Agile methodologies, participating in daily stand-ups, sprint planning, and retrospectives to foster a collaborative and iterative development process.
- Collaborated with cross-functional teams to identify, document, and resolve defects, ensuring timely delivery of high-quality software.
- Stayed updated with the latest QA trends and technologies, continuously improving automation practices and tools to enhance testing efficiency and effectiveness.

Professional Development

Workshops:

- Attended Microsoft Artificial Intelligence workshops on GitHub Copilot which emphasizes the leveraging of AI in Test Automation.
- Attended workshops on advanced Selenium/ Appium automation and CI/CD practices.

Webinars: Participated in webinars on the latest trends in software testing and Automation.

Personal Information

Date of Birth: July 28, 2000   Place of Birth: Aruppukottai, India
Nationality: India   Marital Status: Single
Languages: English: C2   German: A1   Passport: V3996725 (valid up to Dec 2031)