VIPIN RAJ K

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# Hands on Skills:

* **Programming Languages:** Python
* **Testing Tools:** PyTest , Selenium, BDD, Test automation, Unit testing
* **Software Development:** Object-oriented design, Version control (Git), Agile Methodologies
* **IDE:** PyCharm, Visual Studio Code
* **Databases:** SQL, MySQL
* **CI/CD:** Jenkins

# Experience:

**Software Engineer | Gold Coast IT Solutions**

Chennai, India| June 2022 - Present

* Developed and maintained Python-based test automation frameworks for a large-scale software product, resulting in a 30% improvement in test efficiency and accuracy.
* Collaborated with cross-functional teams to design and implement test strategies, resulting in a 20% improvement in the efficiency of software testing processes.
* Conducted thorough unit testing and test case development, identifying and resolving over 200 bugs in the early stages of the development lifecycle.
* Collaborated with upto 3 developers to seamlessly integrate automated tests into the continuous integration/continuous delivery (CI/CD) pipeline.
* Utilized Python programming skills to support backend development tasks, increase code efficiency to optimize software performance, resulting in a 15% reduction in processing time.

# Projects:

**Client: Johnson & Johnson**

* **Docspera :**
* Led Python Pytest Automation efforts in the JNJ project, demonstrating proficiency with Python and achieving a 20% test automation coverage increase.
* Employed extensive expertise in Robot framework and Pytest framework to design, develop, and execute 300+ automated test scripts.
* Orchestrated the creation, enhancement, and maintenance of a scalable test automation infrastructure, supporting 10+ project teams.
* Achieved seamless integration with Jenkins CI/CD pipelines, resulting in a 30% reduction in manual testing efforts and ensuring efficient project workflows.

**Client: Medecision**

* **Aerial** :
* Led and managed 3 critical phases of the software development life cycle as the Integral Test Engineer for the Aerial project, ensuring on-time delivery and quality assurance.

* Conducted Regression Testing, ensuring that code changes had minimal impact on existing functionalities, resulting in a 10% reduction in defects.
* Performed rigorous manual tests on the application's UI, ensuring consistent behavior and performance, achieving a 99% accuracy rate.

# Certifications:

Microsoft Certified Azure Fundamentals (AZ-900)

* Microsoft Certified: Azure Security, Compliance, and Identity Fundamentals (SC-900)

Python

# Education:

Bachelor of Computer Science

Sree Muthukumaraswamy College,Chennai.

2018 - 2021