

MATHIVATHANA S

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OBJECTIVE:

with 3+ years experience in software development, been a part of each stage of software development life cycle, write and manage codes for robotic automation process along with api integration, software testing, optimising system performance and contributed to cross functional team success aiming to create impactful product or provide service.

SKILLS :

Programming: Python, Flask

API Development & Testing: REST APIs, Postman

Software Testing : Manual Testing

Web Technologies: HTML, CSS, JavaScript, Bootstrap

Tools: Git, GitHub, VScode

Others : full software lifecycle participation (Analyze → Build → Test → Deploy); adaptability across roles (Testing → Lead → Developer) ; CLOUD - GCP (observable), redis; AI tool - cursor, copilot.

WORK EXPERIENCE :

Software engineer - Python | Advanced Voice Research Labs (AVRL) | April 2024 – Present

- Developed, updated, managed Python Flask-based applications, integrating various third-party APIs.
- Ensured API reliability by performing cross-checking, fallback mechanisms, backward compatibility testing, reducing potential system failures.
- Participated in UAT deployment calls, observing and troubleshooting Google Cloud Platform (GCP) deployments and Redis-based storage solutions.
- Contributed to end-to-end product development, from requirement analysis to deployment, incorporating insights from API information retrieval, customer needs, and security requirements.
- Worked on API networking, data storage (GCP, Redis), and security enhancements, ensuring scalability and reliability.

Testing Lead | AVRL | Jan 2023 - Mar 2024

- Supervised, Reviewed, validated code changes operations, managing test boards, led customer-focused testing initiatives, attending customer calls to understand their requirements and enhance bot efficiency.
- Developed automation tools to reduce testing time and improve overall testing efficiency.
- Oversaw testing for 500+ customers, gaining extensive experience in scalability, performance optimization, and cross-functional collaboration.
- Collaborated with developers, ensuring seamless integration of RPA automation, API performance, and system stability.

Tester | AVRL | Jan 2022 – Dec 2022

- Performed manual testing for Robotic Process Automation (RPA) bots
- Validated large datasets to identify edge cases and system failures, ensuring bot response accuracy under unpredictable conditions.
- Analyzed customer workflows, replicating real-world scenarios to align testing with customer behavior and needs.
- Tracked and reported bugs, collaborated with developers to debug critical failures, and optimized bot performance for long-term scalability
- Participated in code reviews, providing feedback on API integrations, data handling, and automation logic.

EDUCATION

2017 - 2021

University college of engineering, kanchipuram - B.E. computer science and engineering - 8.01 CGPA