Experienced QA & Automation Engineer

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**Summary**

* Experienced **QA and Automation Engineer** with a strong background in **embedded systems**, **real-time software**, and **SaaS products**.
* Proficient in **C/C++, Python, Groovy**, and **Jenkins**, with extensive experience in **developing automation scripts**, refining **test plans**, and **improving CI processes.**
* Proven track record in **mentoring teams**, setting high standards for **testing practices**, and driving efficiency through **automation pipelines.**
* Expert in collaborating with **cross-functional teams** to ensure **comprehensive test coverage** and **deliver high-quality products** across multiple industries.

**Work Experience**

2024 – 2025 **Senior QA and Automation Engineer**, BrightSource Energy

* Reviewed and analyzed requirements for the company’s **SaaS product**.
* **Collaborated** with component **team leaders, architects**, and **product managers** to define and write tests to cover the requirements.
* Planned **end-to-end flow tests** and API tests for each version of the product, **across all development stages** (Development, QA, Staging, and Production).
* Cooperated with developers and QA engineers to gain knowledge about new functionality and communicated that knowledge to the QA team.
* Participated in **testing activities** to meet testing and **development schedules** and improve the test definition process.

2018 – 2024 **Senior QA and Automation Engineer**, Synamedia

* Integration and Test Engineer for **real-time embedded software** (STB Middleware).
* **Provided support** for large customers by investigating field-reported issues.
* Worked with **multiple teams** in the **UK, India**, and **Israel.**
* **Analyzed logs**, added the required debug prints in the component code, provided the **debug release**, and reproduced the reported issue in the test system.
* Performed **quality control** and **integration** of **CA** and **DRM components** using internal tools.
* Conducted a comprehensive analysis of architecture documentation, collaborated with cross-functional teams to refine requirements, and defined and developed tests to ensure thorough coverage.
* Used **Jenkins** extensively, and developed, built, and tested scripts in **Python** used by pipelines.
* Supported the development and integration of **new features** from the **kick-off until delivery**.
* Developed and owned various **pipeline scripts.**
* Investigated issues reported by the **CI system customers**.
* **Tracked CI results** daily by analyzing failures to identify functionality and automation issues.

2012 – 2018 **Senior QA and Integration Engineer**, Cisco Video Technologies

* Developed a **server simulation** in **C** according to the defined protocol and added a mechanism to control the server's response to enable testing of server response error cases.
* **Developed a major feature** in **Python** for the automation system to streamline CI test result analysis, identify issues from a **MySQL** database, detect new failures, and generate reports for each test cycle.
* **Reviewed requirements** and **design documents** from architects, wrote detailed test plans, implemented automated tests in C, and stabilized the CI system.
* **Integrated new functional features** and supported the investigation of bugs reported by test teams and customers.
* Wrote detailed **ATP documents** and tracked design documents.
* Managed the **entire bug lifecycle** using **IBM ClearQuest** and **JIRA**, from detection and debugging to reporting, fixing, validation, and closure.
* Integrated internal QC tools (VGS-Headend/SGW server), **defined required interfaces**, tested tools and interfaces, integrated them into the testing environment, and mentored the QC group on usage.
* **Mentored team members** and set a standard of excellence for the team.

2001 – 2012 **QA Engineer**, NDS LTD

**Professional Skills**

**Languages:** C/C++, Python, Groovy

**Methodologies & Tools:** Agile, Scrum, Kanban, Jira, GitHub, PostgreSQL, Swagger, Coverity, TestRail, IBM ClearQuest, QualityCenter, BullseyeCoverage, SVN

**Education**

**B.Tech Computer Software Engineering + Teaching Certificate**, Ort Israel College of Technology

**Languages**

**Hebrew** - mother tongue | **English** - high level