QA Automation Team Lead / DevOps

**Shira Frumkin**

054-566-4253 | sfrumkin11@gmail.com | [https://www.linkedin.com/in/shira-frumkin](https://www.linkedin.com/in/shira-frumkin-3737895b/)  | Jerusalem

**Summary**

* **6 years** of experience as a **QA Automation Team Lead**
* **5 years** of experience as a **Software Development Team Lead.**
* Led diverse teams of **8-15 people** - architects, **developers**, **integrators**, and **test engineers** both abroad (India and UK) and locally (Israel).
* Expert in **QA processes** and **test methodologies**, developing in **Agile \ Scrum** environment**,** design, tools, **automation,** code review, **testing,** and overall **Software Quality.**
* Led **E2E security product development**, delivering **features** and enhancing product security
* Proficient in **DevOps** tools such as **Jenkins**, **Docker**, **AWS**, **Terraform, Git, Artifactory,** and **Scripting languages.**
* Highly skilled in **Python**, **C**, **NodeJS**, JIRA, **debugging/troubleshooting**, and problem-solving.
* **B.Sc. Computer Science**, Bar Ilan University. **MBA**, Hebrew University.

**Experience**

2022 - Present  **Software Development Team Leader - Web and Mobile**, **Synamedia**

* Led a team of **6-8 people** responsible for web and mobile (Android, iOS) **development** of a new **OTT security product**.
* Led security **product developmen**t from requirements, design, development, component QC, **integration**, and **delivery**.
* **Scrum manager** of two scrum teams.
* Led the development of **key security components** in the cloud
* Responsible for **CI systems** of all components and products. **DevOps** and **automation** tasks using **Jenkins**, **Python**, and bash scripts.
* Successfully **delivered product features** and **enhanced product security**, raised the level of components’ knowledge across the team.

2019 - 2022 **Software Development Team Leader - DRMA and Conditional Access**, **Synamedia**

* Led a team of **12-15 people** responsible for the **DRM** and **CA** (Conditional Access) component of a very large customer.
* Led **security** component **development** from requirements, design, development, component QC, integration, delivery, and through day 2 support.
* Code written in **C**, automation tests written in **C++**, Framework for CI developed in **Python** and **bash scripts**, CI system used **Jenkins extensively**.
* Responsible for **project** and **release management** of this component, dealing with multiple interfaces within the company and supporting many **global customers**, delivering on tight deadlines.
* The CA component is used in **STBs** (Set-top boxes) while the DRM component is used on numerous platforms (STBs, **iOS**, **Android,** PC, **Mac**).
* Successful delivery of components to new middleware for top customers, mentored new manager, and pushed intermediate developers to advance to tech lead role.

2018 - 2019 **Software Development Team Leader - DRMA**, **Synamedia**

* Led a team of **6-8 software developers** responsible for **DRMA Security** component development
* DRMA component is used on numerous platforms (STBs, iOS, Android, PC, Mac)
* Code written in **C**, automation tests written in **C++**. CI system used **Jenkins** extensively.
* Responsible for **project** and **release management** of this component, dealing with multiple **interfaces** within the company and supporting many **global customers**, delivering on tight deadlines.

2012 - 2018 **QA Automation Team Leader**, Cisco Systems

* Led a team of **8 QA engineers** responsible for **automated testing** of **C Realtime Embedded** CA and **DRM Security component** (requirements review, test plan, test tools, simulations, CI)
* Using the latest **DevOps methodologies**, led the planning, development, and stabilization of new **CI/CD pipeline** which reduced automated testing time on all our projects from 5 days to 3 hours.
* New **CI system** was developed in **Python**, using Jenkins, and bash scripts.
* Led the transformation of our **QA testing team** into an **Agile Kanban team**, mentoring different roles and processes
* Traditional task, **priorities management**, **career development,** and **professional growth**
* **Project** and **Release management**, multiple interfaces, and global customer support.
* Strengthened the team with the latest **DevOps** and **Agile methodologies** in parallel to delivering excellent quality to our customers.

2010 - 2012 **Senior Integration and Quality Assurance Engineer**, Cisco Systems

* Led **robustness integration** and testing of Fusion **real-time embedded** middleware in the set-top box in a **complex project** with tight deadlines.
* Developed real-time embedded **C middleware code** and used gcc, standard **Linux tools**, and proprietary memory analysis tools for detailed issue analysis and resolution.
* Expert in **debugging/troubleshooting** issues.
* **Wrote automated tests**, analyzed results, debugged middleware issues, and provided detailed **reports** to expedite fixes.
* Worked with a team of **senior integrators.**
* Led a **bug-riddled middleware** to have excellent quality and stability for our customers, and **matrix management** of **senior integrators**.

2008 - 2010  **Integration and Quality Assurance Engineer**, **Cisco Systems**

* Integration and QC engineer of the ASHI project (**real-time** **embedded C**)
* **Developed automated tests** and debugged issues found in proprietary **testing tools** using **C** and **XML**
* Test Manager for an ereader project (First Paper).

2005 - 2008 **Security (Conditional Access) QC Engineer**, **Cisco Systems**

* Black box component testing on STB of Conditional Access Security System
* **Led the development** of a proprietary **automation environment** in **C#** for the black box testing of the Verifier component in many projects, which freed up resources working on big projects.

**Education**

2005 - 2008 **Master of Business Administration** (MBA), Hebrew University

2001 - 2003 **B.Sc. Computer Science**, Bar Ilan University

**Technical skills**

Agile software development & leadership, PO, **Agile** and traditional GL roles

**C** **real-time** **embedded** multithreaded multi-process testing

Development: **Python**, **C**

Continuous Build, Integration, and Delivery; **Test automation** on Component and System level

Configuration management and version control tools (**GIT**, SVN)

Environments: **Windows**, **Linux**.

Familiarity with **Cloud** and **DevOps** principles and tools: **Jenkins**, **Docker**, Kubernetes, MongoDB, **AWS**, **Terraform**, **Ansible**

Familiarity with Node JS

**Languages**

**Hebrew** - Native | **English** - Native