Software Technical Lead

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**Summary**

* **15+ years** of experience in building scalable, stable **development processes** with a focus on **structure, delivery**, and **continuous improvement** in **large-scale software projects** across **multidisciplinary** medical and defense environments.
* **6 years** of experience as a **Software team manager,** leading **cross-functional teams** (backend, frontend, algorithm, software QA, and embedded)in building and launching projects from scratch.
* Proficient in **C#**, **C++, C**, **MATLAB**, **Python**, and **Java.**
* Hands-on experience with **React, Node.js, Angular, SaaS** and **AWS**.
* Managed the **E2E software development process** according to **SDLC**.
* **Oversaw** **integration** with various development groups, worked in **Agile,** including **Scrum.**
* Experience with operating systems, including **Windows**, **Linux,** and **Unix**.
* Skilled in **system** and **software architecture, microservices**, backend, and full-stack development.
* Skilled in regulatory standards, **cybersecurity** analysis, and **risk management** for medical devices.
* Proficient in **SQL** and **NoSQL** (**MongoDB**) database technologies**.**
* Experienced in various technologies, including **UML**, **OOP**, **OOD**, **CI/CD**, and **Jira**.
* **B.Sc. in Applied Mathematics and Computer Science** from **Technion**

**Experience**

2023 - 2025 **Software Technical Lead** , PixCell Medical

* **Led a multidisciplinary team** developing **AI-powered diagnostic systems** for blood testing.
* **Owned E2E execution:** task breakdown, **Jira**, **backlog** management, progress tracking and **delivery.**
* **Managed software architecture**, **system software requirements** and **CI/CD using Jenkins.**
* **Oversaw cybersecurity analysis**, **risk assessment,** and **change management**.
* **Mentored** engineers and junior managers; promoted growth, collaboration, and continuous improvement.
* **Collaborated** with product, regulatory, and **AI teams** to align priorities and accelerate deployment cycles.
* Contributed hands-on using **C++, C#, .NET, Python, SQL, Linux, Windows.**

2018 - 2023 **Software Team Manager**, Check-Cap

* **Led a backend and frontend team** responsible for colon imaging application and **embedded software.**
* Ownership of the **CI/CD infrastructure** for both embedded and **application-level software components.**
* Strong hands-on with **C++, C#, MATLAB, Windows** Internals; managed embedded real-time software development.
* **Applying SDLC**, engaged in **risk mitigation strategies**, ensuring compliance and operational uptime.
* **Developed cloud-based clinical trial systems**; full ownership of **C# server** with **SQL** and **WPF client**.
* **Collaborated** with designers to build intuitive UIs for clinical and diagnostic tools.

2012 - 2018 **Senior Software Engineer**, Arineta

* Developed **multithreaded C++ core imaging software** in cardiac CT system.
* Designed and implemented **GPU-accelerated modules** using **CUDA**, focusing on image reconstruction and real-time processing on **NVIDIA hardware platforms.**
* Developed and maintained the **DICOM layer**, supporting clinical workflows and image transmission standards.
* Defined and developed **software architecture** from **scratch** for core components of the cardiac CT software platform.

2000 - 2012 **Senior Software Engineer**, Rafael

* **GIS system development** at the classified intelligence project.
* Development using **C++, C#** using **.NET Framework**.
* Establishing the system using **WinDbg, NHibernate integration** at the DAL layer of the system.
* Responsibility for real-time display and update of graphic prescriptions on the map.
* Developing **Java** and **C++** in the **UNIX environment**.

**Education**

**B.Sc**. **Applied Mathematics and Computer Science**, **Technion**

**Skills & Abilities**

**Operating** **systems**: Windows**,** Unix**,** Linux **Tools**: Git**,** GitHub**,** CI/CD, SVN**,** Jenkins, Jira  
**Methodologies**: Agile, Scrum, SDLC**,** UML**,** OOD**/**P  
**Programming** **languages**: C#,Matlab**,** C/C++, React, Node.js, Angular, Python, Java  
**Cloud** & **Database**: SQL, MongoDB, client-server architecture, cloud-based solutions  
**Architecture**: Back-end, Microservices, Distributed Systems

**Languages**

**Russian** - mother tongue | **Hebrew** - fluent | **English** - fluent