Simone Palacino

Software Engineering Project Lead, Embedded AI Video Analytics

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Skills / Knowledges

C/C++ (7y) - Flutter (1y) - C# - Python - Java - SQL (SQLite, PostgreSQL, MSSQL, MySQL) - Qt - PHP - GStreamer - NVIDIA - DeepStream - i2c - Linux - Windows - Docker - GIT - SVN - React.js (Basic)
Strong problem-solving skills.
Skilled in efficient troubleshooting for rapid problem identification and resolution.
Flexibility in approaching problems and willingness to learn new technologies or methodologies.
I am a Team Player and I can work independently.

Experiences

Software Engineering Project Lead - **Bettini Srl** - Saronno, Varese, Italy   **01/2024 - present**

- Spearheading the architectural **design** and implementation of advanced **video analytics** in physical security, utilizing **AI** on **NVIDIA Tegra** boards embedded devices to identify critical scenes.
- Managing a small team of developers, and collaborating with a data scientist for model development and integration.
- Overseeing the preparation and distribution of the operating system.
- Implemented the core system in **C++** and the frontend in **Flutter**, for the configuration of the whole system.
- Developed a custom system update mechanism.
- Utilized various libraries and software including **GStreamer**, **DeepStream**, Crow (WebServer), JSON, **Curl**, **gRPC**, **SQLite**, and **Python**.
- Managed project planning effectively through **GitLab**, ensuring streamlined **coordination** and **organization.**
- Employed code versioning tools like **GIT** for effective software management.
- Utilized testing tools - **GoogleTest** - and integrated **Docker** for comprehensive application development.

C++ Software Engineer - **Bettini Srl** - Saronno, Varese, Italy   **09/2020 - 01-2024**

- Managed the maintenance, updating, and implementation of software and middleware primarily in **C**, for **embedded systems NVR/DVR** with **Linux**, catering to **CCTV video surveillance** needs.
- Maintaining/Development of **Windows** applications in **C++** and **C#** for remote control of our devices.

C/C++ Analyst Developer - **Sisthema Spa** - Milan, Italy   **11/2018 - 09/2020**

- Managed the maintenance, updating, and implementation of a **C/C++ ERP** system designed for small to medium-sized enterprises.
- Developed new applications centered around Electronic Invoicing (**Fatturazione Elettronica**). In particulary the **automatic accounting of passive invoices** module.
- Provided direct **customer support** and conducted analyses to develop customized software **verticalizations.**
- Oversaw the development server machines, managing repositories, tests, and updates.
- Led the migration and reconstruction of the data storage layer from a file-based structure (CodeBase) to **MSSQL Server** to enhance performance and leverage the capabilities of a SQL database.

Languages

ITALIANO: native language
ENGLISH: B2