Julio **Paton**

SOFTWARE ENGINEER

Holyoke, Massachusetts

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Summary

C++ Senior Software Engineer with 8+ years of experience has led teams to deliver critical applications in international projects. Motivated to continue to learn and grow as a professional and to help other team members to achieve their full potential. Prior experience in Qt, Linux and embedded platforms and expertise in all aspects of the software development lifecycle.

Work Experience

Tecnobit S.L.U. (C4I Systems) *Valdepeñas, Spain*

SENIOR SOFTWARE ENGINEER *Apr. 2021 - Nov. 2022*

- Mentoring new members of the team.
- Remote communication with the client for requirement specification and support.
- Design, develop and testing of Tactical Data Link solution software.
- In-depth use of modern C++, STL, Boost, TCP/IP communications and multi-threading.

Tecnobit S.L.U. (Optronic Systems) *Valdepeñas, Spain*

SENIOR SOFTWARE ENGINEER *Jan. 2020 - Mar. 21*

- Embedded software design and development in C/C++ using Xilinx SDK for Zynq microprocessor.
- Use of bug finding tools such as AddressSanitizer and Valgrind.
- Remote and on-site support to client.
- CI of SW components.
- Technologies used include C++14, Xilinx SDK, Yocto Project and Jenkins.

Tecnobit S.L.U. (C4I Systems) *Valdepeñas, Spain*

SENIOR SOFTWARE ENGINEER *Jan. 2018 - Dec. 2019*

- Plan, organize and monitor tasks of the software development team.
- Design, develop and testing of Tactical Data Link solution software.
- Development of a Combat Management System (CMS) using QT and Luciad (GIS).
- Integration of communications systems such as network controller, modem, radio, GPS, NTP server, radar and cryptographic device.
- On-site system deployment, testing, support and training for navy members on ships, ground stations and aircrafts.
- In-depth use of C++, STL, Boost, TCP/IP communications and multi-threading.

Tecnobit S.L.U. (C4I Systems) *Valdepeñas, Spain*

SOFTWARE DEVELOPER *Jun. 2014 - Dec. 2017*

- Design, develop and testing of Tactical Data Link Systems including Link11, Link16, Link22, JREAP and SIMPLE protocols.
- Port a VxWorks Tactical Data Link processor application to Linux.
- Technologies used include C++11 and Qt.

VISILAB Research Group (UCLM) *Ciudad Real, Spain*

RESEARCH ASSISTANT *Sep. 2012 - May. 2014*

- Design and develop computer vision applications for desktop, Android and iOS platforms using OpenCV.
- [Book] OpenCV Essentials, Packt Publishing, 2014.
- [Article] A Vision-Based Localization Algorithm for an Indoor Navigation App, Eighth International Conference on Next Generation Mobile Apps, Services and Technologies (NGMAST), 2014.

Education

Graduate Diploma in Video Games Development *Ciudad Real, Spain*

UCLM (UNIVERSITY OF CASTILLA - LA MANCHA) *Sep. 2013 - Jun. 2014*

B.S. in Computer Science and Engineering *Ciudad Real, Spain*

UCLM (UNIVERSITY OF CASTILLA - LA MANCHA) *Sep. 2007 - Jun. 2013*

Erasmus Scholarship *Eindhoven, The Netherlands*

TUE(EINDHOVEN UNIVERSITY OF TECHNOLOGY) *Sep. 2009 - Jul. 2010*

Visa Status

J-2 visa and EAD card holder valid until 06-30-2025 and extendable for two more years.