Manuel Lorente Almán

DevOps & Software Specialist | AWS & Linux Certified

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🗣 English, Spanish, French

in www.linkedin.com/in/manloralm

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PROFESSIONAL SUMMARY

Engineer with over 10 years of experience bridging embedded systems and modern software practices, specializing in DevOps and clean architecture. Proven track record of implementing enterprise-grade delivery pipelines, designing scalable frameworks for camera evaluation and image processing, and providing technical support.

CORE COMPETENCIES

Cloud Architecture & DevOps

API and SDK Development

CI/CD Pipeline Design

Product Lifecycle Management

Cross-cultural Team Collaboration

Technical Pre-Sales Support

WORK EXPERIENCE

2024 – Present **Applications Engineer** | *Teledyne e2v* | *Denver, USA*

Promoted to lead the technical strategy in North America, creating an applications and regional technical support team in NAM.
- Designed and deployed an API framework for 5+ product derivatives across Windows, Linux, Debian, Nvidia SoC, reducing customer integration time by 30%.
- Streamlined product delivery cycles, cutting the release frequency from quarterly to weekly through the implementation of CI/CD pipelines.
- Led pre-sales technical consulting efforts, directly contributing to over $5M in revenue by managing integrations and solutions for 10+ North American clients.

Key technologies: Python, C++, GitHub Actions, AWS, Linux.

2019 – 2024 **Applications Engineer** | *Teledyne e2v* | *Seville, Spain*

After proving in a technical support role in APAC, I was promoted to Applications Engineer to manage technical expertise and camera development in the EMEA region.
- Developed a robust SDK platform supporting 10+ image sensors, accelerating evaluation times by 50%.
- Provided comprehensive technical support to 20+ EMEA customers, resulting in $10M+ in total sales during that period.
- Implemented comprehensive documentation process for 10+ products, ensuring clear communication and continuous delivery.

Key technologies: Python, C++, GitHub Actions.

2018 – 2019 **Technical Specialist** | *Teledyne e2v* | *Shenzhen, China*

Promoted to take on a support role in the APAC region, focusing on providing high-level technical support for image sensors and camera modules.
- Regional technical authority for image sensors, delivering pre-sales and post-sales support to 10+ customers.
- Developed and implemented a technical training program, improving regional sales performance by driving a $500K+ increase in sales revenue.

Key technologies: Python, C++.

2017 – 2018 **Systems Engineer** | *Teledyne e2v* | *Grenoble, France*

Transitioned into systems engineering, collaborating with the R&D team.
- Developed a Graphic User Interface to control a linear camera for production lines.
- Coded and validated the firmware to integrate an image sensor in a linear camera.

Key technologies: C#, C++.

2015 – 2017 **Characterization Engineer** | *Teledyne Anafocus* | *Seville, Spain*

Began career in image sensors, in charge of the characterization process of CMOS sensors.
- Led the characterization and test program of 5 CMOS image sensors, producing detailed analysis reports used to optimize sensor performance.
- Developed custom software tools for image sensor testing and data analysis.

Key technologies: Python, Matlab.

EDUCATION

2022 – 2023 **MEng in Cloud Native Applications Development**
University of Rey Juan Carlos, Spain

2018 – 2019 **MEng in Embedded Systems**
University of Malaga, Spain

2012 – 2018 **BEng in Telecommunications Engineering**
University of Seville, Spain

CERTIFICATIONS

2024 **Linux Foundation Certified IT Associate**
Linux Foundation

2024 **AWS Certified Cloud Practitioner**
AWS

2024 **Microsoft Certified Azure Fundamentals**
Microsoft

SKILLS

★★★ Strong skill
★★☆ Solid understanding
★☆☆ Basic experience

Category	Skills	Level	Category	Skills	Level
Cloud	AWS, Azure	★★☆	**CI/CD**	GitHub Actions, Jenkins	★★☆
Containers	Kubernetes, Helm, Docker, Podman	★★☆	**IaC**	Terraform, CloudFormation	★★☆
Scripting	Bash, Python	★★★	**Observability**	CloudWatch, Prometheus, Grafana	★☆☆
Backend	Python (FastAPI), Java (Spring Boot), Go (Gin)	★★★	**System Programming**	C++, VHDL, FreeRTOS	★★☆
Data Storage	PostgreSQL, MongoDB, Redis, DynamoDB	★★☆	**Core Engineering**	Data Structures, Algorithms, System Design	★★☆