# **Manuel Lorente**

# Engineer | DevOps & Software Specialist | AWS & Linux Certified

mlorente@duck.com

www.linkedin.com/in/manloralm

+34 653367697

https://github.com/manulorente

English, Spanish, French

https://fullengineer.net



### **PROFESSIONAL SUMMARY**

Results-driven engineer with over 10 years of experience bridging embedded systems and cloud technologies, specializing in DevOps practices and clean architecture. Proven track record of implementing enterprise-grade CI/CD pipelines, developing scalable APIs, and delivering technical support that drive business growth. Demonstrated expertise in accelerating software delivery through automation, customer-focused solutions, and modern development practices.

## **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, supporting demand creation and business growth alongside the sales team.

- Architect and implemented API framework for 5+ product derivatives across multiple platforms reducing customer integration time by 30%.
- Drove \$5M+ in revenue through technical pre-sales consulting and implementation support for 10+ North American customers.
- Led the product life cycle for 5+ products, implementing CI/CD and documentation processes that reduced delivery frequency from quarter to weekly.

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

#### 2020 - 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 product development in the EMEA region.

- Developed a SDK platform for 10+ products, reducing integration time by 50%.
- Provided comprehensive technical support to 20+ EMEA customers, resulting in \$10M+ in total sales during that period.
- Authored and maintained technical documentation for 10+ products, ensuring clear communication and ease of use for customers.

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

#### 2019 - 2020**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.

- Acted as the technical authority for company cameras, delivering pre-sales and post-sales support to 10+ APAC customers.
- Built and delivered technical training program boosting the region's sales performance +\$0.5M.

Key technologies: Python, C++.

#### 2018 - 2019**Systems Engineer** | *Teledyne e2v* | *Grenoble, France*

Transitioned into systems engineering, collaborating closely with the R&D team.

- Developed a Graphic User Interface to control a linear camera for production lines.
- Engineered and validated firmware for a linear camera.

*Key technologies: C#, C++.* 

### 2015 - 2018Characterization Engineer | Teledyne Anafocus | Seville, Spain

Began career in image sensors, leading the characterization process of CMOS sensors.

- Led the characterization of 5 CMOS image sensors, producing detailed analysis reports used to optimize sensor performance.
- Developed custom software for image sensor testing and data analysis, streamlining the characterization process.

Key technologies: Python, Matlab.

EDUCATION		CERTI	CERTIFICATIONS		
2022 – 2023	MEng in Cloud Native Applications Development University of Rey Juan Carlos, Spain	2024	Linux Foundation Certified IT Associate  Linux Foundation	CERTIFIED IT ASSOCIATE	
2018 – 2019	MEng in Embedded Systems University of Malaga, Spain	2024	<b>AWS Certified Cloud Practitioner</b> <i>AWS</i>	aws a commod Cloud Practitioner route a trova.	
2012 – 2018	BEng in Telecommunications Engineering University of Seville, Spain	2024	Microsoft Certified Azure Fundamentals  Microsoft	Microsoft AZURE FUIDAMENTALS	

**SKILLS** 

★★★ Strong skill ★★☆ Solid understanding

★☆☆ Basic experience

Cloud	AWS (EKS, ECS, Lambda, S3), Azure	***	CI/CD	GitHub Actions, Jenkins	***
Containers	Kubernetes, Helm, Docker, Podman	***	laC	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	***