





Manuel Lorente


Engineer | Cloud & Embedded Systems Specialist | AWS & Linux Certified


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 English, Spanish, French

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WORK EXPERIENCE

- 2024 – Present

Sales & Applications Engineer *Teledyne e2v (Denver, USA)*
Support demand creation and business growth helping the sales team to achieve NBOs in the NAM market.
 - Engineered Proofs of Concept and SDKs for +10 new product derivatives and multiple platforms.
 - Provided pre-sales and post-sales support to +20 NAM customers.
 - Oversaw the life cycle management of +5 products, including software solutions and derivatives.
- 2020 – 2024

Sales & Applications Engineer *Teledyne e2v (Seville, Spain)*
Technical expert for company cameras, image sensors, and vision modules.
 - Developed APIs for +15 products using Python and C++.
 - Provided comprehensive pre-sales and post-sales support to +50 EMEA customers..
 - Authored technical documentation for +20 products.
- 2019 – 2020

Applications Engineer *Teledyne e2v (Shenzhen, China)*
Technical authority for company cameras and image sensors.
 - Delivered pre-sales and post-sales support to +10 APAC customers.
 - Created Software Development Kits for +5 cameras using Python, Matlab, and C++.
- 2018 – 2019

Systems Engineer *Teledyne e2v (Grenoble, France)*
Collaborated with the R&D team to develop next-generation cameras:
 - Designed architecture for 2 camera modules using VHDL.
 - Developed Graphic User Interfaces for 2 products in C#.
 - Engineered and validated firmware for 2 cameras in C++.
- 2015 – 2018

Characterization Engineer *Teledyne e2v (Seville, Spain)*
Led the characterization of CMOS Image Sensors:
 - Characterized +5 CMOS image sensors and compiled data analysis reports.
 - Developed custom software for +5 hardware test equipment.

EDUCATION		CERTIFICATIONS	
2022 – 2023	MEng in Cloud Native Applications Development <i>University of Rey Juan Carlos, Spain</i>	2024	Linux Foundation Certified IT Associate <i>Linux Foundation</i>
2018 – 2019	MEng in Embedded Systems <i>University of Malaga, Spain</i>	2024	AWS Certified Cloud Practitioner <i>AWS</i>
2012 – 2018	BEng in Telecommunications Engineering <i>University of Seville, Spain</i>	2024	Microsoft Certified Azure Fundamentals <i>Microsoft</i>



SKILLS			★★★★ Strong skill		
			★★★ Solid understanding		
			★★ Basic experience		
Core	Linux systems administration	★★★★	Monitoring and logging	CloudWatch	★★★
	Network architecture & protocols	★★★		Prometheus	★★★
	Data structures & Algorithms	★★★		Grafana	★★★
Cloud	AWS	★★★	Databases	Relational: PostgreSQL, MySQL	★★★
	Azure	★★★		Non-relational: mongoDB, Redis, DynamoDB	★★★
Languages	Python	★★★★	Communications	SPI, I2C, MQTT	★★★
	Java	★★★★		802.11 WiFi	★★★
	Typescript	★★★		802.15.4 ZigBee	★★★
	Go	★★★			
Backend	FastAPI	★★★★	Scripting	Bash	★★★★
	Spring Boot	★★★★		Python	★★★★
Containers	Kubernetes: Helm, ArgoCD, Flux	★★★	Embedded software	RTOS: FreeRTOS, uBlaze	★★★
	Runtimes: Docker	★★★		FPGA: VHDL	★★★
	AWS: ECS, EKS	★★★		Firmware: C++, C	
CI/CD	Github Actions	★★★	Other	Git	★★★
	Jenkins	★★★		GitLab	★★★
IaC	CloudFormation	★★★			
	Terraform	★★★			