

Manuel Lorente

Engineer | DevOps & Software Specialist | AWS & Linux Certified

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English, Spanish, French

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WORK EXPERIENCE

2024 – Present	Applications Engineer <i>Teledyne e2v (Denver, USA)</i> Support demand creation and business growth helping the sales team to achieve NBOs in the NAM market. <ul style="list-style-type: none">Developed Proofs of Concept and SDKs for +5 product derivatives and multiple platforms in C++ and Python.Provided pre-sales and post-sales support to +10 NAM customers.Oversaw the life cycle management of +5 products, including software solutions and derivatives.
2020 – 2024	Applications Engineer <i>Teledyne e2v (Seville, Spain)</i> Technical expert for company cameras, image sensors, and vision modules. <ul style="list-style-type: none">Developed APIs for +10 products in Python and C++.Provided comprehensive pre-sales and post-sales support to +20 EMEA customers..Authored technical documentation for +10 products.
2019 – 2020	Technical Support Engineer <i>Teledyne e2v (Shenzhen, China)</i> Technical authority for company cameras and image sensors technical support. <ul style="list-style-type: none">Delivered pre-sales and post-sales support to +10 APAC customers.
2018 – 2019	Systems Engineer <i>Teledyne e2v (Grenoble, France)</i> Collaborated with the R&D team to develop next-generation cameras: <ul style="list-style-type: none">Developed Graphic User Interfaces for a linear camera in C#.Engineered and validated firmware for a linear camera cameras in C++.
2015 – 2018	Characterization Engineer <i>Teledyne e2v (Seville, Spain)</i> Led the characterization of CMOS Image Sensors: <ul style="list-style-type: none">Characterized 5 CMOS image sensors and compiled data analysis reports.Developed custom software in Matlab and Python for 5 image sensors characterization.

EDUCATION

2022 – 2023	MEng in Cloud Native Applications Development <i>University of Rey Juan Carlos, Spain</i>
2018 – 2019	MEng in Embedded Systems <i>University of Malaga, Spain</i>
2012 – 2018	BEng in Telecommunications Engineering <i>University of Seville, Spain</i>

CERTIFICATIONS

2024	Linux Foundation Certified IT Associate <i>Linux Foundation</i>
2024	AWS Certified Cloud Practitioner <i>AWS</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	★★☆
Cloud	AWS	★★☆	Databases	Relational: PostgreSQL, MySQL	★★☆
	Azure	★★☆		Non-relational: mongoDB, Redis, DynamoDB	★★☆
Backend languages	Python	★★★	Communications	SPI, I2C, MQTT	★★☆
	Java	★★★		802.11 WiFi	★★☆
Frameworks	Go	★★☆		802.15.4 ZigBee	★★☆
	FastAPI	★★★	Scripting	Bash	★★★
Containers	Spring Boot	★★★		Python	★★★
	Kubernetes: Helm, ArgoCD, Flux	★★☆	Embedded software	RTOS: FreeRTOS	★★☆
CI/CD	Runtimes: Docker	★★☆		FPGA: VHDL	★★☆
	AWS: ECS, EKS	★★☆	Other	Firmware: C++	★★☆
IaC	Github Actions	★★☆		Git	★★★
	Jenkins	★★☆		GitLab	★★★
	CloudFormation	★★☆			
	Terraform	★★☆			