





Manuel Lorente


Engineer | DevOps & Software Specialist | AWS & Linux Certified


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 English, Spanish, French

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WORK EXPERIENCE

2024 – Present	Sales & 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">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 <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 +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 <i>Teledyne e2v (Shenzhen, China)</i> Technical authority for company cameras and image sensors. <ul style="list-style-type: none">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 <i>Teledyne e2v (Grenoble, France)</i> Collaborated with the R&D team to develop next-generation cameras: <ul style="list-style-type: none">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 <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 for +5 hardware test equipment.

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	★★★
	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	★★★
	C++	★★★			
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	★★★			