





# Manuel Lorente Almán


DevOps & Software Specialist | AWS & Linux Certified


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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	Product Lifecycle Management
API and SDK Development	Cross-cultural Team Collaboration
CI/CD Pipeline Design	Technical Pre-Sales Support

## WORK EXPERIENCE

2024 – Present	<b>Applications Engineer</b>   <i>Teledyne e2v</i>   <i>Denver, USA</i> Promoted to lead the technical strategy in North America, creating an applications and regional technical support team in NAM. <ul style="list-style-type: none"><li>Designed and deployed an API framework for 5+ product derivatives across Windows, Linux, Debian, Nvidia SoC, reducing customer integration time by 30%.</li><li>Streamlined product delivery cycles, cutting the release frequency from quarterly to weekly through the implementation of CI/CD pipelines.</li><li>Led pre-sales technical consulting efforts, directly contributing to over \$5M in revenue by managing integrations and solutions for 10+ North American clients.</li></ul> <i>Key technologies: Python, C++, GitHub Actions, AWS, Linux.</i>
2019 – 2024	<b>Applications Engineer</b>   <i>Teledyne e2v</i>   <i>Seville, Spain</i> 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. <ul style="list-style-type: none"><li>Developed a robust SDK platform supporting 10+ image sensors, accelerating evaluation times by 50%.</li><li>Provided comprehensive technical support to 20+ EMEA customers, resulting in \$10M+ in total sales during that period.</li><li>Implemented comprehensive documentation process for 10+ products, ensuring clear communication and continuous delivery.</li></ul> <i>Key technologies: Python, C++, GitHub Actions.</i>
2018 – 2019	<b>Technical Specialist</b>   <i>Teledyne e2v</i>   <i>Shenzhen, China</i> Promoted to take on a support role in the APAC region, focusing on providing high-level technical support for image sensors and camera modules. <ul style="list-style-type: none"><li>Regional technical authority for image sensors, delivering pre-sales and post-sales support to 10+ customers.</li><li>Developed and implemented a technical training program, improving regional sales performance by driving a \$500K+ increase in sales revenue.</li></ul> <i>Key technologies: Python, C++.</i>
2017 – 2018	<b>Systems Engineer</b>   <i>Teledyne e2v</i>   <i>Grenoble, France</i> Transitioned into systems engineering, collaborating with the R&D team. <ul style="list-style-type: none"><li>Developed a Graphic User Interface to control a linear camera for production lines.</li><li>Coded and validated the firmware to integrate an image sensor in a linear camera.</li></ul> <i>Key technologies: C#, C++.</i>
2015 – 2017	<b>Characterization Engineer</b>   <i>Teledyne Anafocus</i>   <i>Seville, Spain</i> Began career in image sensors, in charge of the characterization process of CMOS sensors. <ul style="list-style-type: none"><li>Led the characterization and test program of 5 CMOS image sensors, producing detailed analysis reports used to optimize sensor performance.</li><li>Developed custom software tools for image sensor testing and data analysis.</li></ul> <i>Key technologies: Python, Matlab.</i>

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



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