

## GARY ALARCON

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### EDUCATION

#### Universitat Politècnica de València | Spain

Spring 2025

Master's Degree in Cloud and High-Performance Computing

Relevant Coursework: Cloud Computing, Public Cloud Infrastructures, Container Management Platforms, Programming in Cloud Systems.

#### Universidad Tecnológica Centroamericana | Honduras

September 2015

Bachelor's degree in Telecommunications Engineering

Relevant Coursework: Networks, Networks Protocols Communications Systems.

### EXPERIENCE

#### Lear Corporation | San Pedro Sula, Honduras

October 2015 – August 2023

Tools and Process Coordinator

- Led implementation projects enhancing tool efficiency and reducing design cycle times.
- Developed plugins in Java for new functionalities in Capital Harness.
- Delivered training sessions for engineers from different regions globally on the tool's usage and best practice.
- Optimized tool performance by integrating automated workflows, reducing manual tasks by 15% and improving overall project delivery time.

Lead Product Engineer

- Spearheaded cost-saving initiatives and managed cross-functional teams.
- Managed a team of engineers and drafters, ensuring proper implementation of engineering changes
- Coordinated with supply chain and manufacturing teams to ensure timely delivery of materials and reduce downtime by 10%.

### PROJECTS

#### Universitat Politècnica de València: Thesis

December 2024

Migration to Kubernetes Environment of ACTaaS Platform (Autoassessment of Computational Thinking as a Service)

- Migrated all ACTaaS services to Kubernetes (K8s) using Docker containers, improving platform scalability and reliability.
- Enhanced platform availability and performance through optimized scalability and improved reliability metrics.
- Leveraged Ansible for configuration management and Jenkins for CI/CD pipelines, ensuring continuous integration and streamlined deployments.

#### Amazon Web Service

June 2024

Serverless Web Application Project

- Developed a serverless web application using AWS Lambda, API Gateway, DynamoDB, Amazon S3 and CloudFront.
- Designed a fully automated, scalable backend service that reduced operational costs and increased efficiency.
- Designed a user-friendly interface that utilizes Amazon S3 and CloudFront for efficient content delivery, resulting in faster load times and improved user engagement.

#### Lear Corporation

January 2023

Capital Harness Ergonomic Boards Project

- Led the implementation of ergonomic and construction boards in Capital Harness by developing Java plugins to enhance tool functionality.
- Reduced task completion time from two weeks to a few hours, significantly enhancing tool functionality and user productivity.
- Collaborated with cross-functional teams to gather user feedback and iteratively improve the board design, resulting in a 30% increase in user satisfaction ratings.

### SKILLS & CERTIFICATIONS

**Skills:** Python | JavaScript | Java | Bash | AWS (Lambda, DynamoDB, API Gateway, EC2, S3, Cloudfront) | Azure | Docker | Kubernetes | Linux | Jenkins | Ansible.

**Certifications:** AWS Certified Solutions Architect – Associate (Valid through September 2027) | AWS Academy Graduate - Cloud Architecting | Python Basics for Data Science – IBM | JavaScript Algorithms and Data Structures – freeCodeCamp

**Languages:** English (Fluent), Spanish (Native)