

Alejandro Del Valle Bustillo

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Education

University UCJC, universidad camilo José Cela

Bachelor of Computer Science Engineering; minor Software Engineering

Relevant Coursework: Application integration, Software architecture, Advanced software development, Cloud solutions and deployment, Server development and big data.

Experience

English Teacher, Diverbo - **Toledo, Spain**

June 2018 - August 2018

- Teaching English to young adults from different parts of Spain, reviewing and helping with their English communication skills

Quality Assurance Software Engineer - **Madrid, Spain**

June 2024 - October 2024

- Developed and executed automated test scripts using the Playwright framework to ensure application reliability and performance.
- Collaborated with cross-functional teams to identify and resolve software issues, contributing to the company's quality assurance strategy.
- Gained hands-on experience in software testing methodologies and the software development life cycle within a dynamic startup environment.

Projects

Portfolio Website,

January 2025 - Present

- Built my portfolio using HTML and CSS, deployed on AWS EC2 with a CI/CD pipeline using GitHub Actions, it is intended for the web browser but currently working on making it responsive.

Microservices architecture for a Pet Store (Academic Project),

September 2024 - January 2025

- Architected and implemented a comprehensive pet store microservices system using Node.js, Docker, and MongoDB, featuring six distinct APIs, with load balancing and API Gateway integration.
- Designed a scalable architecture using NGINX as a load balancer to distribute traffic across multiple service replicas, implementing service redundancy with 2 replicas per microservice to ensure high availability.
- Orchestrated communication between microservices through RabbitMQ message broker, while containerizing each service with Docker and managing the ecosystem through Kubernetes.

Airshow Website,

May 2024 - September 2024

- Designed and developed a simulated Airshow ticketing website enabling users to select events and purchase tickets for specific sections of the airport.
- Implemented server-side rendering using **EJS** and built the backend with **Node.js** and **Express.js** to handle user requests and manage ticket availability.

E-Commerce Website,

September 2024 - Present

- Developed and deployed a fully functional e-commerce website for a lifestyle clothing brand using GitHub Pages, with a CI/CD pipeline automated through GitHub Actions.
- Built the frontend using EJS for dynamic server-side rendering and implemented the backend with Node.js and Express.js to handle product management, user authentication, and order processing.
- Integrated MongoDB Atlas as the database to store and manage product inventory, user data, and order details, ensuring scalability and efficient data retrieval.

Skills

Fullstack: EJS, NodeJS, ExpressJS, AlpineJS, HTML, CSS, JavaScript

DevOps: AWS Github Pages, Github Actions

Culture Orientated: Lived in the UAE for 10 years.