
MARIO FONTCUBERTA MARTINEZ

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Software Engineer

Resume

I am a passionate developer with a strong background in creating cross-platform applications, specializing in cutting-edge technologies such as Golang, Node.js, .NET Core, Java, Angular, and Vue.js. Throughout my career, I have demonstrated skills in designing and implementing robust architectures, including MVC and Clean Architecture, to ensure scalability and maintainability of projects.

My primary focus revolves around developing microservices using Event-Driven architecture patterns, leveraging the advantages of container orchestration with Docker and Kubernetes. Additionally, I have technically led projects, assuming responsibilities at both technical and managerial levels.

My experience spans the entire spectrum of database development, from initial design to continuous optimization, working with SQL and MongoDB. I have in-depth knowledge of TypeScript and have conducted rigorous testing practices using Jasmine, Mocha, or others.

Throughout my career, I have closely collaborated with cloud platforms, especially in Microsoft Azure and AWS environments, leading the migration of existing applications to the cloud and optimizing their performance and scalability.

In my role as a developer, I have worked with various agile methodologies, especially Scrum, actively participating in iteration planning, organizing Team Daily meetings, and conducting effective demonstrations. My responsibilities not only include technical aspects but also functional analysis, requirement prioritization, and project management.

Over the course of my career, I have acquired additional skills in web development, ranging from applications for totems with Angular.js to layout and development in CMS environments like WordPress. My meticulous focus on performance optimization and task automation using various programming languages has contributed to the success of the projects I have been involved in.

My multifaceted approach, combined with a solid technical foundation, positions me as a competent and adaptable professional capable of addressing complex challenges and leading teams to success in innovative development projects.

Experience

2022 - Present day

Software Engineer

IskayPet Group

- Backend Development:
 - Experience in developing applications using **Go**, Node.js, PHP, and JavaScript (**Salesforce**).
 - Implementation of efficient and scalable solutions in backend environments.
- Frontend Development:
 - Expertise in creating attractive user interfaces using **React**, JavaScript, HTML, and CSS.
 - Collaboration in multidisciplinary teams to ensure a smooth user experience.
- Cloud and AWS Services:
 - Extensive knowledge and experience in **AWS** cloud implementations.
 - Effective use of services such as S3, **EventBridge**, **SQS**, SNS, API Gateway, among others.
- Monitoring and Automation:
 - Successful implementation of monitoring systems using **Prometheus** and **Grafana**.
 - Utilization of **Kustomize** and **Terraform** for automation and infrastructure management.

Methodologies and Tools:

- Application of **GitOps** practices to improve efficiency and collaboration in development.
- Integration of documentation through **Backstage.io** for effective knowledge management.

Third-Party Integration:

- Experience in integrating with external providers such as **Adyen**, PayPal, **Mirakl**, ensuring interoperability and security.

2018 - 2022

Tech. Lead Architect & Scrum Master

Quantion

- Server/Client Development:

- Experience in developing applications using **Node.js** with ExpressJS, FeathersJS, **NestJS**, as well as .NET Core 2 C#.
- Specialization in frontend development with **Angular** and Vue.js, applying good design and usability practices.

Architectures and Patterns:

- Design and implementation of MVC and **Clean Architecture** to ensure code modularity and scalability.
- Successful application of **Microservices** and **Event-Driven** architecture patterns to improve flexibility and maintainability.

Platform and Containers:

- Advanced knowledge of the Microsoft **Azure** platform for cloud-based solutions.
- Development using software containers with **Docker** and orchestration of containers with Docker Compose and **Kubernetes**.

Databases and Languages:

- Experience in designing, developing, and optimizing SQL and **MongoDB** databases.
- Mastery of **TypeScript** and ES9 for efficient application development.

Testing and CI/CD Tools:

- Implementation of tests with Jasmine and Mocha to ensure code quality.
- Use of CI/CD tools such as Jenkins, Sonar, Spinnaker, Rancher, Harvor, Nexus for process automation and continuous delivery improvement.

Authentication and Authorization:

- Development of robust authentication and authorization solutions.

Version Control:

- Effective version control using Git to ensure collaboration and code tracking.

Management Tools:

- Use of the Atlassian suite, including JIRA, Confluence, and Bitbucket, for efficient project management.
- Experience with **Azure DevOps** tools for full integration in the development lifecycle.

Responsibilities and Project Management:

- Technical and managerial responsibility for projects, ensuring the achievement of objectives.
- Active participation in functional analysis, requirement prioritization, iteration planning, Team Daily's, demo planning, and retrospective management.

2015 - 2018

Full Stack Developer

TLG Commerce (Media Markt IT Department)

- Server/Client Development:

- Outstanding experience in development using Java (**Coldfusion**) for server-side and **JavaScript**, JQuery, Mootools, HTML5, and CSS3 for the client-side.
- Efficient implementation of solutions to ensure an optimal user experience.

Server Cache and API Architecture:

- Configuration and management of **Varnish 4** cache to enhance server performance.
- Development of **RESTful API** architectures, ensuring interoperability and efficiency in communication between systems.

Frontend Development and Node.js/npm Tasks:

- Advanced use of JavaScript libraries like Mootools and **jQuery** for creating dynamic and attractive interfaces.
- Execution of **Node.js**/npm and gulp.js tasks for automating processes and enhancing development efficiency.

Database and SQL Server Development:

- Solid experience in the development and optimization of **SQL Server** databases, ensuring integrity and performance.

Unit Testing and Continuous Integration Development:

- Implementation of unit tests and execution in continuous integration environments using **Jenkins**.
- Effective version control with Git to ensure collaborative and controlled development.

Cloud Platform and Services:

- Application of knowledge in the Microsoft Azure cloud platform to implement scalable and secure solutions.
- Familiarity with **Elasticsearch**, **Logstash**, and **Kibana** for log management and analysis.

Batch Process Development:

- Efficient development of batch processes using Java for scheduled task execution.

Functional Analysis:

- Active participation in functional analysis of projects to ensure alignment with client objectives.

Agile Methodology and Tools:

- Successful application of **Agile** methodology, especially in Scrum environments.
- Utilization of Agile tools like JIRA, Confluence, and Bitbucket for efficient project management.

Platform Responsibilities:

- Management and responsibility for the platform, ensuring its stability, security, and evolution according to business needs.

2015 - 2015

Frontend Developer

CDM Barcelona S.L.U.

- Development of Presentations in **CLMs**:
 - Outstanding experience in developing interactive presentations using CLMs such as **Agnitio**, **Veeva**, and **Cegedim**.
 - Ensuring an attractive and effective user experience in presentation environments.

Development of Applications for **Kiosks**:

- Successful creation of applications for kiosks using **Angular.js**, focusing on usability and interactivity.

Layout and Frontend Development:

- Layout and development in CSS3, HTML5, and JavaScript to ensure attractive and functional visual interfaces.
- Specialization in the development of intuitive and responsive user experiences.

Development and Maintenance of WordPress CMS:

- Active participation in the development and maintenance of websites using **WordPress CMS**.
- Ensuring the stability and functionality of the content managed by the CMS.

Task Automation with Node.js and PHP:

- Efficient automation of tasks using Node.js, improving efficiency and consistency in development.
- Development of scheduled tasks in **PHP** for process automation and productivity enhancement.

2012 - 2015

Backend Developer

Goodleads S.L.

- PHP Development with Zend Framework and GD:
 - Experience in PHP development using **Zend Framework** and GD, ensuring efficiency with Composer.

Integrations with MySQL Databases:

- Effective implementation of integrations with third parties using **MySQL** databases to ensure data management.

SEO-Oriented Layout:

- **SEO**-focused layout using CSS3, HTML5, and JavaScript (jQuery), ensuring optimization for search engines.

VBScript for Maintenance and Web Development:

- Use of VBScript for web maintenance and development, ensuring functionality and stability of systems.

Webservices/APIs and iMacros - Web Scraping:

- Development and consumption of Webservices/APIs for efficient service integration.
- Application of iMacros for **web scraping**, providing effective solutions for data extraction.

Knowledge of CMS WordPress and Joomla:

- Experience in the development and management of websites using CMS like **WordPress** and Joomla.

Agile Tools and Methodologies:

- Use of Agile methodology tools, including **JIRA, Confluence, and Bitbucket**, for efficient project management.

2011 - 2011

Systems technician internships

PLUG.IN Solucions Informatiques

Education

2011 - 2013

Development of software applications (DAI)

Institut Obert de Catalunya (IOC)

- Use isolated and interconnected networked computer systems.
- Carry out detailed analysis and design of management software applications.
- Develop, adapt and test programs in structured and fourth generation programming languages.
- Design and implement presentation services that facilitate the operation of applications.

2009 - 2011

Computer systems administration (ASI)

IES Joaquim Mir

- Network planning and administration.
- Database management.
- Operating systems administration.
- Network and Internet services.
- Implementation of web applications.
- Administration of database management systems.
- Security and high availability.

2006 - 2008

Technology High School

IES Can Puig

Languages

Spanish

Written and spoken.

English

Intermediate written and spoken level.

Catalán

Written and spoken.

Other diplomas, certifications

PMP

PMBok PMP certification oriented course:

- Knowledge of: Integration, Scope, Time, Costs, Quality, Resources, Communication, Risks, Procurement and Stakeholders.

PHP

Advanced PHP development

Java EE

Java EE application development:

- Knowledge of: ORM Hibernate, query by criteria, struts.

ASP .NET

Application development in ASP .NET (C#)

