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<> Coding

PHPJavascriptPython

NodeJSC/C++C#JAVA

☁ Cloud

AWSGCPDigital Ocean

Azure

📁 Frameworks /
Libs / Tools /
Others

AndroidAnsibleBamboo

Bitbucketbootstrap

ConfluenceCSS

CucumberDocker

ExpressGithub

Gitlab CIHTMLJenkins

JiraKubernetesLens

LinuxMaterial UI

NestJSNextJS

React nativeReactJS

REST APISpring

SymfonyTailwind

TerraformUnityUnreal

VueJS

🏆 Awards &
Patents

1st Place - University
UJI of Castellon -
Sumobot 2008
2nd Place - University
UJI of Castellon - Web
application
development 2007
[Web Accessibility:](https://courses.edx.org/certificates/457be78e0c8947fb8305c38ad353000b)
[https://courses.edx.or
g/certificates/457be78
e0c8947fb8305c38ad3530
00b](https://courses.edx.org/certificates/457be78e0c8947fb8305c38ad353000b)
[Patents:](https://www.patentguru.com/inventor/ruiz-peinado-jonathan)
[https://www.patentguru
.com/inventor/ruiz-
peinado-jonathan](https://www.patentguru.com/inventor/ruiz-peinado-jonathan)

As a software engineer, I design and develop applications and the infrastructure to support them. I have over 20 years of experience in software engineering, spanning different roles, technologies and platforms. I enjoy learning new skills and paradigms, and adapting to changing environments and requirements.

I have also led teams of up to 9 people, and worked on my own products from ideation to production. I have a strong background in web development, devOps and cloud. My goal is to deliver reliable, scalable and user-friendly solutions that meet the needs and expectations of my team and users.

Work Experience

+ 👤 Senior DevOps Engineer @ Scopely

Jul 2022 - Present (1 Years 7 Months)

GAMING
in Star Trek Fleet Command

- Design and implement infrastructure using Terraform for new applications in AWS, such as ECS (Fargate, EC2), Lambda, DynamoDB, etc.
- Optimize current infrastructure for improved performance, scalability, and cost-efficiency, using a data-driven approach based off metrics from DataDog, Cloudwatch & Kibana.
- Advise cross-functional teams on AWS services and best practices.
- Docker image creation and publishing, implementing CI/CD processes using Jenkins and GitLab CI, and developing Python scripts for AWS Lambda functions.
- Establish robust monitoring using DataDog and Kibana, enabling early issue detection & streamlined support processes.

AWSTerraformGitlab CIDockerLinuxPythonJenkinsDataDogKibanaUnity

Education

University Jaume I
Computer Science

Senior Software Engineer @ Dovetailgames — May 2021- Jul 2022 (1 Years 3 Months)

GAMING
in Train Sim World 4

- Designed and implemented the REST API used for the game and the creators club website
- Led application development and refactoring initiatives for Train Sim World 4's Creators Club, applying knowledge of Gitlab CI, Cucumber, Nest, and Next to enhance features and user experience.
- Performed ongoing maintenance of applications to ensure consistent functionality, optimal performance, and a positive user experience.
- Implemented robust CI/CD workflows using Gitlab CI, leveraging Docker for seamless automation.
- Analyzed and optimized the existing infrastructure (Linux, Nginx) for enhanced performance, scalability, and cost-efficiency.
- Managed Google Cloud Services (GCP), specifically focusing on App Engine, utilizing skills in Docker and Kubernetes for resource efficiency.

NestLinuxGCPPostgresNginxGitlab CINextDockerKubernetesUnreal

Lead Full Stack Developer @ Bitheater Ltd — Dec 2013- May 2021 (7 Years 6 Months)

BUILDING
in Truecarbon Score

- Designed and implemented the API used first for the migration process from the old version of the application to the new one and later to offer a M2M connection to the data stored in the app
- Led the design and development of the Truecarbon Score application using Laravel and VueJS with Inertia.
- Provided project owner reporting for effective project communication and transparency.
- Managed the team, including task assignment and progress monitoring to ensure project timelines were met.
- Managed AWS services, specifically with Beanstalk, for optimal deployment and scalability.

LaravelVueJSInertiaMySQLAWSBucketTerraformDocker

Full Stack Developer

HEALTH

in SINA HIS (Hospital Information System)

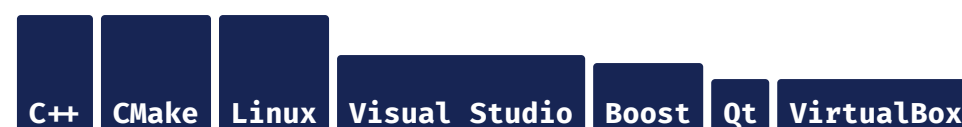
- REST API, application development and bug fixing using JAVA, Spring, and Angular, ensuring the delivery of high-quality software solutions.
- Implemented refactoring processes in MySQL to align codebase with coding standards, improving code maintainability and readability.
- Pioneered the implementation of crucial features, leveraging skills in JBoss (Firefly), contributing to a significant increase in the company's customer pool.



Lead Software Engineer

PUBLIC INFRASTRUCTURE

- Led the migration from heavily Microsoft libs bond C/C++ code to a cross-platform solution (Linux + Windows) for an Intelligent Traffic System (ITS).
- Refactored and optimized existing C/C++ codebase for improved maintainability and performance.
- Utilized C++, Qt, and CMake for the successful migration, ensuring compatibility with both Linux and Windows environments.
- Implemented Boost libraries to enhance the functionality and capabilities of the ITS.
- Collaborated with the team to address platform-specific challenges and ensure seamless integration.
- Achieved Linux compatibility, allowing the application to apply to tenders requiring Linux support.
- Press articles: - Article 1: <https://bit.ly/2Z11mgC> - Article 2: <https://bit.ly/30AVGva>



Lead Software Engineer

ECOMMERCE

- Led IoT device prototyping using Python on Raspberry Pi.
- Implemented given IoT business logic on Python's Raspberry Pi, facilitating quick testing, modification, and addition of new features.
- Conducted comprehensive testing of NFC, 6LowPan, GSM, and TCP/IP for hotspot internet access to evaluate the most effective method of sending information to the internet.
- As a result, filed a set of patent requests to protect the potential use of the mechanisms developed for data exchange.(link in awards section)





Lead DevOps Engineer

ECOMMERCE

- Automated and maintained E-Commerce platform infrastructure, ensuring optimal performance and reliability.
- Developed and managed CI/CD processes for Progressive Web App development, enabling almost instantaneous releases to staging and production environments.
- Implemented backup and disaster recovery processes to comply with fundamental ISO standards certifications.
- Managed and configured Atlassian platform tools including GIT/
Bitbucket, Bamboo, and Jira.



Full Stack Developer

FINANCE

in Lendico

- Developed a P2B lending platform with a focus on functionality, security, and scalability.
- Refactored the application to ensure compatibility with two similar platforms - P2P and P2B lending, maintaining a single code source for both during simultaneous development.



Lead Android Developer @ Movistar

Dec 2012- Dec 2013 (1 Years 1 Months)

TELECOMMUNICATIONS

in Por Ser Movistar

- Led the development of a native Android application using SSO (Single Sign On) SAML, serving a client pool of 20M users for exclusive Movistar client offers.
- Published the Android app to provide seamless access to exclusive offers for Movistar clients.
- Developed tools for deployment and statistics compilation to streamline development processes.
- Configured Apache servers for optimal performance and security.
- Implemented high-availability systems to ensure continuous service availability for users.





Lead Full Stack Developer

TELECOMMUNICATIONS

in Por Ser Movistar

- Led the development of a promotional site and REST API service providing exclusive offers and coupons to Movistar clients.
- Created a web platform enabling Movistar customers to access exclusive offers and coupons.
- Developed a REST service as the foundation for future mobile app development.
- Led Android applications development for seamless user access to exclusive offers.
- Contributed to web development using PHP/Symfony, REST Web services, and SSO (SAML) login systems.
- Implemented high-availability systems to ensure continuous service availability for users.



Full Stack Developer @ Universitat Jaume I

Dec 2010- Dec 2012 (2 Years 1 Months)

LEARNING

- Developed a web application for the management of the university's research projects using Drupal



Senior Software Engineer

ROBOTICS

- Developed applications for humanoid robotics, contributing to advancements in the field.
- Implemented neural networks training systems for humanoid robotics.
- Developed computer vision applications using OpenCV
- Contributed to the project documented at [http://ieeexplore.ieee.org/document/7363592/?reload=true](http://ieeexplore.ieee.org/document/7363592?reload=true).
- Worked on the humanoid torso robot project documented at <http://robinlab.uji.es/tombatossals-humanoid-torso>.



Senior Software Engineer @ Inovacion Dental

May 2010- Dec 2010 (8 Months)

HEALTH

- Managed and visualized DICOM Images using VTK/ITK libraries for medical image processing.
- Developed a Dental DICOM Images Analysis application for specialized medical imaging.
- Created a Mitsubishi Robotic Arm handling application for automation in dental procedures.





Full Stack Developer @ Overon

Jun 2009- Feb 2010 (9 Months)

TELECOMMUNICATIONS

- Designed and maintained internal applications for efficient enterprise management.
- Managed databases and email servers to ensure seamless operation of internal applications, utilizing **Linux**, **Apache**, and **MySQL**.
- Developed and maintained Client/Server Applications, meeting business requirements and leveraging **PHP** skills.



Full Stack Developer @ Thyssen-Bornemisza

Mar 2009- Jun 2009 (4 Months)

LEARNING

- Development of an SDK in **PHP** to build CMS managed web applications
- Contributed to services provided by an interactive communication agency.
- Designed and developed websites, ensuring a seamless user experience.
- Developed multimedia content for engaging online experiences.
- Provided internet consulting services for strategic online presence.
- Contributed to branding, positioning, and corporate identity initiatives online.
- Resolved issues in enterprise web portals to maintain optimal functionality.
- Developed enterprise web portals using **PHP** and the CodeIgniter development framework, showcasing expertise in **Linux**, **Apache**, **MySQL**, and **PHP**.



Full Stack Developer @ Hughes Media Internet Ltd

Mar 2008- Feb 2009 (1 Years)

ECOMMERCE

- Conducted **PHP** web development, creating dynamic and interactive websites.
- Developed CMS solutions based on **MYSQL**, **LINUX**, and **PHP5**, emphasizing skills in eCommerce and MVC architecture.
- Utilized Object-Oriented Programming (OOP) principles for efficient and modular code development.
- Monitored and troubleshooted web and mail servers for optimal performance and reliability.
- Contributed to the development, maintenance, and integration of various websites.
- Developed and deployed SOAP web services to enhance functionality.
- Administered **Linux** servers for seamless operation, specifically CentOS **Linux**.





Full Stack Developer @ EADS CASA Espacio

Jun 2001- Nov 2007 (6 Years 6 Months)

AERONAUTICS

- Developed a warehouse and providers management application using **PHP** and **MySQL**.
- Created a non-conformance reports (NCR) management application in **PHP**, **HTML**, **CSS**, and **MySQL**.
- Contributed to the development of enterprise internal network services, including intranet and data transfer between partners.
- Resolved technical questions, conducted troubleshooting, and developed tools for improved efficiency.
- Developed graphic user interfaces for data consultation, modification, and insertion.
- Designed a data exchange interface between **ORACLE** and **MySQL**.
- Developed an autoclave management application using **Visual Basic 5.0**.
- Facilitated information exchange between partners and the company, including **SAP** interfaces.



Systems Administrator

AERONAUTICS

- Administered **AIX/UNIX/Linux** servers, overseeing various services for optimal performance.
- Configured and tuned **Apache2**, including mod_proxy, mod_php, and virtual domains, ensuring efficient web services.
- Conducted troubleshooting, upgrades, and configuration of services/systems on **AIX/UNIX/Linux/Solaris** servers.
- Managed databases, ensuring their integrity and availability for critical operations.
- Implemented and maintained the **MySQL** backups system to safeguard data integrity.
- Provided technical support for **CATIA** users.



Freelance Teacher @ Informática 64 SL.

Jun 1999- Nov 2002 (3 Years 6 Months)

LEARNING

- Delivered training sessions for **UNIX** shell scripting.
- Delivered a comprehensive Master class on **C/C++**, funded by the Madrid Council.
- Delivered a Master class on **Linux** sponsored by the Madrid Council.
- Delivered a course for application development with **Java**, sponsored by the Madrid Council.

