# Jonathan Ruiz

### Software Engineer

Certified Kubernetes Administrator (CKA) LF-ynhdss52m7

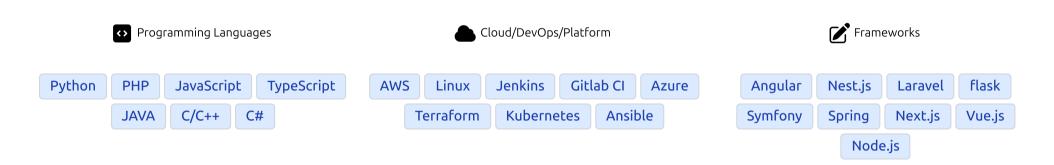
With over two decades of experience, I have built a broad skill set in programming languages such as C/C++, NodeJS, C#, Java, PHP and Python, as well as cloud platforms like AWS, Azure and GCP.

Throughout my career, I've had the opportunity to lead technical teams and design scalable infrastructures. I've worked on implementing CI/CD pipelines, automating deployment processes and developing cost-effective cloud solutions. My roles as a DevOps Tech Lead, FullStack Developer and Senior Software Engineer have helped me understand the importance of optimizing performance and reliability for various applications.

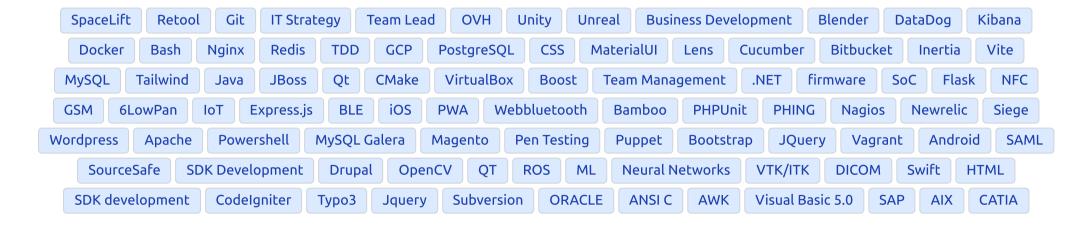
In addition to my technical expertise, I focus on strategic leadership, IT strategy and effective team management. My experience spans diverse projects, from game development to e-commerce platforms and IoT devices, demonstrating my adaptability and commitment to delivering practical solutions.

I am passionate about continuous learning and improving my skills to drive innovation and efficiency, ensuring the delivery of high-quality and reliable software solutions.

# Computer Science degree | contact@jonathanruiz.co.uk



#### Other Skills:



- Designed and programmed game MVP using Unity and C#.
- Managed code reviews and ensured high-quality standards.
- Provided strategic leadership in business development and IT strategy.

Team Lead Unity C# IT Strategy **Kubernetes Jenkins** 

Senior DevOps Engineer

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#### in Star Trek Fleet Command

- Achieved 30% infrastructure cost reduction and 20% Redislabs cost reduction.
- Enhanced Dev environments with Twingate & Okta SSO integration.
- Successfully migrated Jenkins from 1.0 to 2.0.
- Designed and implemented AWS infrastructure using Terraform (ECS, Lambda, DynamoDB).
- Optimized infrastructure for performance, scalability, and cost-efficiency with DataDog, Cloudwatch, & Kibana metrics.

Jul 2022 - Dec 2023 (1 Year 5 Months)

- Provided AWS expertise and best practices guidance to teams.
- Managed Docker image creation, CI/CD pipelines (Jenkins, GitLab CI), and developed Python scripts for AWS Lambda.
- Established effective monitoring with DataDog and Kibana for early issue detection.

Python DataDog Docker Linux Gitlab CI Unity **AWS Terraform Jenkins** Git Redis

# Senior Software Engineer @ Dovetailgames

#### in <u>Train Sim World 4</u>

- Designed REST API for game and Creators Club website.
- Led application development and refactoring using Gitlab CI, Cucumber, Nest, and Next.js.
- Performed ongoing maintenance to ensure optimal application functionality and user experience.
- Implemented CI/CD workflows with Gitlab CI and Docker.
- Optimized Linux and Nginx infrastructure for improved performance and cost-efficiency.
- Managed Google Cloud Services (GCP) focusing on App Engine, Docker, and Kubernetes.

Kubernetes TDD GCP PostgreSQL Docker Gitlab CI Kubernetes Nest.js TypeScript Next.js Node.js Git

# Lead Full Stack Developer @ Blue Ocean Sustainability

#### in Truecarbon Score

- Created and implemented API for application migration and M2M connections.
- Led design and development of Truecarbon Score app with Laravel, Vue.js, and Inertia.
- Provided project owner reporting for transparent project communication.
- Managed team tasks and progress to meet project timelines.
- Managed AWS services, focusing on Beanstalk for deployment and scalability.

Laravel Vue.js TypeScript Bash Inertia Vite Docker **AWS** Team Lead **Tailwind** Git

## Full Stack Developer @ Alfatec

#### in SINA HIS (Hospital Information System)

- Developed REST API and applications using JAVA, Spring, and Angular for high-quality software delivery.
- Refactored MySQL codebase to enhance maintainability and readability.
- Implemented key features with JBoss (Firefly) to expand the company's customer base.

Spring Java MySQL **JBoss** TDD Git **TypeScript** 

#### Lead Software Engineer @ Indra

- Led migration from Microsoft libs to cross-platform (Linux + Windows) for Intelligent Traffic System (ITS).
- Refactored and optimized C/C++ codebase for better maintainability and performance.
- Utilized C++, Qt, and CMake for successful migration across Linux and Windows.
- Implemented Boost libraries to enhance ITS functionality.
- Collaborated on platform-specific challenges for seamless integration.
- Achieved Linux compatibility for tenders requiring Linux support.
- Managed press articles: Article 1: https://bit.ly/2Z11mgC Article 2: https://bit.ly/30AVGva

C/C++ Qt **CMake** Bash VirtualBox Linux Boost Team Management Team Lead Git .NET

#### Lead Software Engineer

- Led IoT device prototyping using Python on Raspberry Pi and C on nRF51 SoC.
- Performed nRF51 firmware maintenance and upgrades.
- Implemented IoT business logic on Raspberry Pi using Python for rapid testing and feature additions.
- Conducted extensive testing of NFC, 6LowPan, GSM, and TCP/IP for internet access, informing patent requests.
- Filed patent requests to protect developed mechanisms for data exchange (see Certifications section for links).

SoC firmware C/C++ Python Flask NFC **GSM** 6LowPan Node.js Express.js BLE Team Lead iOS **PWA** Webbluetooth

# Lead DevOps Engineer

- Automated and maintained E-Commerce platform infrastructure for optimal performance and reliability.
- Developed CI/CD processes for Progressive Web App development, enabling rapid releases to staging and production.
- Implemented backup and disaster recovery processes to meet ISO standards certifications.
- Managed and configured Atlassian platform tools: GIT/Bitbucket, Bamboo, and Jira.

Docker Bamboo Azure Linux Nagios Newrelic Team Lead Bash Wordpress Git Apache

# Cloud Engineer

- Led design and implementation of international e-commerce platform's scalable and reliable infrastructure.
- Orchestrated successful migration from on-premise to cloud-based architecture with meticulous planning and testing.
- Resolved networking issues and enhanced stability using advanced troubleshooting techniques.
- Implemented proactive measures to continuously enhance system infrastructure for evolving business and technological needs.

Linux Newrelic Azure **Apache** MySQL Galera Magento **Nagios** Bash Pen Testing Git

#### in Lendico Developed P2B lending platform emphasizing functionality, security, and scalability. Refactored application to maintain compatibility with P2P lending platform, using a unified codebase. **J**Query Bootstrap Linux Symfony Git Telefonica/Movistar Dec 2012 - Dec 2013 (1 Year) Lead Android Developer in Por Ser Movistar Led development of native Android app with SSO (SAML) for 20M Movistar clients. Published Android app for seamless access to exclusive offers. • Developed deployment tools and statistics compilation for streamlined processes. Configured Apache servers for performance and security. Implemented high-availability systems for continuous service availability. **Android** SAML Team Lead SourceSafe Java Lead Full Stack Developer in Por Ser Movistar Led development of promotional site and REST API for exclusive offers and coupons for Movistar clients. Created web platform for Movistar customers to access exclusive offers and coupons. Developed REST service as foundation for future mobile app development. Led Android app development for seamless user access to offers. Contributed to web development using PHP/Symfony, REST services, and SSO (SAML) integration. Developed SSO SDK for integration with Movistar's SAML identity provider. Implemented high-availability systems for continuous service availability. **JQuery** JavaScript Apache SDK Development Symfony Linux MySQL **SAML** Nginx Team Lead Git Universitat Jaume I Dec 2010 - Dec 2012 (2 Years) Full Stack Developer Developed a web application for the management of the university's research projects using Drupal Drupal Git Senior Software Engineer Developed applications for humanoid robotics, contributing to field advancements. Implemented neural network training systems for humanoid robotics. Developed computer vision applications with OpenCV. • Contributed to projects documented at IEEE and Robinlab. Worked on the humanoid torso robot project at Robinlab. C/C++ OpenCV OT ROS **CMake** Git ML **Neural Networks** Inovacion Dental -May 2010 - Dec 2010 (7 Months) 😲 🛮 Senior Software Engineer Managed and visualized DICOM images with VTK/ITK libraries for medical image processing. Developed Dental DICOM Images Analysis application for specialized medical imaging. Created Mitsubishi Robotic Arm application for dental procedure automation. C/C++ VTK/ITK DICOM Swift OpenCV Java Git Overon Jun 2009 - Feb 2010 (8 Months) Full Stack Developer Designed and maintained internal applications for enterprise management. Managed databases and email servers for seamless operation of internal applications using Linux, Apache, and MySQL. Developed Client/Server Applications to meet business requirements, utilizing PHP. MySQL Bash Apache

Full Stack Developer @ Rocket Internet GMbH

Linux

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Jun 1999 - Nov 2002 (3 Years 5 Months)

# Freelance Teacher

- Conducted training sessions for UNIX shell scripting.
- Delivered comprehensive Master classes on C/C++ and Linux sponsored by the Madrid Council.
- Taught application development course with Java, sponsored by the Madrid Council.

Linux Bash C/C++ Java