

Frank Rodríguez Siret

Curriculum Vitae

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PROFILE

As a highly motivated developer, I am constantly seeking to expand my knowledge and skills in new and emerging technologies. With 5 years of experience in Competitive Programming ICPC, I have demonstrated my ability to excel in challenging and dynamic environments. My background in mathematics and algorithmics has also equipped me with strong problem-solving skills that I bring to my work as a developer.

In terms of technical skills, I am proficient in several programming languages including C++, Java, JavaScript and Python. My experience in these languages has enabled me to develop a deep understanding of their nuances and capabilities, allowing me to deliver high-quality code that meets project requirements. Also, I possess a solid grasp of Object-Oriented Programming and Design Patterns, allowing me to create efficient and maintainable code. This expertise enables me to contribute effectively to projects, ensuring robust solutions.

I am a contributor as a developer of the Matcom Online Grader site (MOG) for the Faculty of Mathematics and Computer Science of University of Havana, Cuba.

And I am currently pursuing a Master's Degree in Computer Science at Harbour.Space University.

Education:

Master degree in Computer Science

May 2024 - Present | Harbour.Space Barcelona's Campus

Bachelor's degree in Computer Science

Sep 2014 - Jun 2019 | Universidad de Oriente

- GPA 4.92, 5-points scale.
- Graduated with Gold Title and Scientific Merit Award, recognizing academic excellence and research achievements.
- Ranked among the top students of the 2019 class, demonstrating exceptional skills and knowledge in Computer Science.
- Participated in several scientific events related to Computer Science, expanding knowledge and networking with professionals in the field.
- Successfully competed for 5 years in the ICPC Competitive Programming, representing the university in the Caribbean Finals.
- Completed a degree thesis on Information Retrieval, demonstrating research skills and expertise in a specific area of Computer Science.

Graduated Courses:

- Mathematical foundations of computing. Universidad de Oriente, Jan 2020.
- Theory and practice of programming languages. Universidad de Oriente, Mar 2020.
- Computer networks. Universidad de Oriente, Oct 2020.
- Digital image processing. Universidad de Oriente, Jan 2021.

Professional Experience:

Software Engineer at Peoplewalking

Mar 2021 - Present | Peoplewalking

- Led the technical design and development of multiple features for **Xpertopolis**, the company's flagship app, ensuring **high-quality** products were delivered on-time and collaborating effectively with cross-functional teams [Java – Spring Boot – Angular].
- As the principal software engineer in the project, played a key role in the design and development of a centralized application for the **Agency of Certification, ANCERT**, in Spain. Worked collaboratively with cross-functional teams to deliver a comprehensive solution that streamlined operations and enhanced efficiency across the organization. Continuously improved the product to meet the changing needs of the client, providing ongoing support and guidance to ensure optimal performance [React JS – Java – Spring Boot].
- Led the design and development of a user-friendly app for **Navarra Clinic University**, exceeding client expectations by delivering a highly functional solution [React JS].
- Managed **complex design projects** for corporate clients, ensuring timely delivery and adherence to project specifications.
- Automated software development processes including building, testing, and deployment, following **CI/CD** guidelines using **Jenkins**. Streamlined workflow, reduced manual

errors, and improved efficiency through automation.

- Conducted quality assurance **tests** to optimize usability and enhance user experience.
- Facilitated **React JS** boot camps for junior developers, providing mentorship and guidance to enhance their proficiency with the library.
- Developed reusable components following **React's** principles, ensuring consistency and maintainability across multiple projects.
- Produced daily progress reports using **Beanstalk** and **Jira**, contributing to the success of the project through effective collaboration.

Technologies used

Java, Spring Boot, Job Runr, React JS, Angular, JavaScript, Typescript, Node, PostgreSQL, MySQL, Bootstrap 4, Ant Design, Design Pattern.

Java Developer at Cognicore

Aug 2023 - Nov 2023 | Human Data Manager

- Working in the startup company Human Data Manager developing several microservices for the application Cognicore.
- Produced daily progress reports using **Trello**, contributing to the success of the project through effective collaboration.

Technologies used

Java, Spring Boot, PostgreSQL, Docker, Terraformer.

Python Developer at Matcom Grader

Aug 2022 - Present | Universidad de la Habana

- Enhanced platform design and functionalities, optimizing code for a smoother user experience.
- Collaborated closely with a team of developers, contributing to strategic decisions and tackling technical challenges.
- Migrated problem writing to Markdown and created a custom logging module.
- Played a key role in successfully promoting the platform, achieving high acceptance among contestants and judges in the Caribbean region.

Technologies used

Python, Django, PostgreSQL, React JS, JavaScript, Bootstrap.

ICPC Executive Director

Nov 2021 - Mar 2022 | Universidad de Oriente

- Oversaw preparation and successful execution of **ICPC contests**.
- Demonstrated strong leadership skills in overseeing teams and coordinating people effectively.

ICPC Assistant Director

Sep 2019 - Nov 2021 | Universidad de Oriente

- Led teams during the preparation of the **ICPC** contests.

Computer Science Professor

Sep 2019 - Mar 2022 | Universidad de Oriente

- Taught **Logic Math** and **Data Structures and Algorithms** courses.
- Received the annual **CITMA** Award for Young Researchers in 2019, recognizing excellence in research and contributions to the field of Computer Science.

Freelance Full Stack Developer

Oct 2020 - Mar 2021 | Freelance

- Developed responsive and user-friendly websites for small businesses.
- Guided digital marketing strategy for positioning the business on the web.
- Worked in a team of two using agile methodologies (**XP**) to ensure timely delivery and high-quality results.
- Demonstrated strong **problem-solving** skills and attention to detail, ensuring all websites met high standards for functionality, usability, and design.
- Communicated **effectively** with clients throughout the development process, providing regular updates and soliciting feedback to ensure their satisfaction with the final product.

Technologies used

React JS, Bootstrap 4, API Platform, Swagger, MySQL

C++ Developer

Sep 2017 - Jun 2021 | Centro de Biofísica Médica

- Contributed to the design and development of **Imagis**, a medical imaging software.
- Provided guidance and support to junior developers, helping to improve their knowledge of C++.
- Developed more than 10 features in the areas of design, report management, transmission, visualization, and image segmentation.

Technologies used

C++, Java, VTK, ITK, DCMTK, DICOM, Qt Framework, Lucene, Information Retrieval

Core Professional Competencies:

- Advanced knowledge in programming languages (C / C++, Java, JavaScript, Python).

- Backend Frameworks (Spring Boot, Node JS, Django).
- Frontend Frameworks (React JS, Angular).
- Object-oriented programming and Design patterns.
- Advanced data structures and algorithms.
- Web developer Full Stack (HTML, CSS, SCSS, Bootstrap 4, Tailwind CSS, TypeScript).
- Relational and Non-Relational Database design (PostgreSql, MySQL, MongoDB).
- API REST.
- Docker
- Key Cloak Authentication.
- Job Runr background jobs.
- Git version control software Git / Github / Gitlab.
- Jira, Trello and Jenkins (CI/CD)
- Software architectures (Scrum, RUP).
- Operating systems (Windows, Linux).
- Qt 5, Qt 6 desktop application developer (QWidget, QtQuick, QML).
- DCMTK / DICOM

Certificates:

Problem Solving Certificate

Nov 2020 | HackerRank

React Certificate

Dec 2020 | HackerRank

JavaScript Certificate

Apr 2022 | HackerRank

Languages:

- Spanish (Native or bilingual proficiency)
- English (Intermediate, Professional working proficiency)

Interests:

- Music
- Cofee
- Travel
- Read
- Rubik's Cube
- Play Guitar