

Luis Rodriguez

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Software engineer with a background in computer science and computer engineering, dedicated to continuous learning and passionate about solving real problems through useful, reliable, and maintainable software.

QUALIFICATIONS

I am a software engineer with a solid foundation in the software development life cycle, software design principles, and algorithm development. Proficient in programming languages such as JavaScript, C/C++, Java, Python, Kotlin, and Swift, I bring hands-on experience across the full stack of web and mobile development. I have worked with frameworks like Flutter, Angular, Laravel, and React to deliver user-focused applications. My expertise also includes relational databases, SQL, and API integration. I am bilingual in English and Spanish, allowing me to work effectively in diverse environments.

WORK EXPERIENCE

Royal Caribbean Group. July 2024 – Present.
Database Administrator. Miami, FL.

- Design and manage efficient database systems ensuring performance, integrity, and security. Create custom reports and analytics to support business objectives. Developed a mobile app to track and report fleet-wide issues, enabling managers to monitor and resolve incidents efficiently.

Praxis Graphics and Signs. July 2022 – July 2024.
Information Technology. Hialeah, FL.

- Developing websites for companies, enabling effective communication and engagement with their target audience. Designing and maintaining the company's Local Area Network (LAN) for optimal performance and security. Configuring and maintaining company server to ensure efficient data management and optimal functionality.

Eurocraft Industries. July 2021 – July 2022.
Database Administrator. Medley, FL.

- Designed and implemented efficient database and spreadsheet for managing customer information, inventory, and orders. Transferred data from hard copies and existing databases, into the newly designed database system.

EDUCATION

Master of Science in Computer Science. August 2024 – Present.
Florida International University. Miami, Florida.

- I've developed a mentorship app and a resume enhancement project using Large Language Models (LLMs). Through my studies, I've gained extensive knowledge in data structures, algorithms, databases, software development life cycle, software design, along with practical experience in building secure, high-performance software systems.

Associate of Science in Computer Programming and Analysis. January 2022 – July 2024.
Miami Dade College. Miami, Florida.

- Proficient in programming languages such as C++, Java, and Python. Experienced in managing and querying data within database systems using SQL. Skilled in working with data manipulation and analysis libraries like Pandas and NumPy. Developed Android applications using Java and Kotlin, and iOS applications with Swift. Experienced in system analysis, design, and implementation.

Bachelor of Science in Computer and Electrical Engineering. September 2016 – December 2021.
University of Oriente. Santiago de Cuba, Cuba.

- I developed an Android app to assist with learning Series and Differential Equations, providing an interactive educational tool. For my bachelor's thesis, I designed applications and algorithms to process electrooculographic signals in response to visual stimuli. During my studies, I gained a solid foundation in computer engineering, including programming, embedded systems, digital design, and software development.

CERTIFICATIONS

Computer Programmer - Mobile Apps Development.	<i>Miami Dade College.</i>	April 2024.
App Development with Swift - Certified User.	<i>Apple.</i>	April 2024.
App Development with Swift - Associate.	<i>Apple.</i>	February 2024.