Marlon O. Mendez-Yanez

Manassas, VA – Open to Relocation

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Summary: Bilingual Software Engineer with industry experience in architecting and implementing backend systems. A self-starter committed to mentoring and team development with a strong focus on writing clean maintainable code and thoroughly testing it.

Education:

Bachelor of Science, Software Engineering — **May 2026**
Rose-Hulman Institute of Technology, Terre Haute, IN — **GPA 3.51**
Minor in Spanish

Skills:

Languages: Spanish (Fluent), English (Fluent)
Technical: Java, Python, Bash, JS, C#, HTML, CSS, SQL, RISC-V Assembly
Frameworks & Tools: Linux, Git, Maven, SSH, Angular, Flask, .NET

Internships:

HVAC Filter Wizard Developer — Sept. 2025 – Present
Rose-Hulman Ventures
- Programmed full-stack C# application to support HVAC filter sales
- Utilized ASP.NET for backend and React Native for frontend
- Introduced unit testing with xUnit framework and implemented GitHub actions

Solutions Architecture Team Software Engineer — Jun. 2025 – Aug. 2025
Kratos Defense & Security Solutions
- Architected middleware linking satellite device to management interface
- Achieved 100% code coverage with unit and integration tests in Java
- Utilized Mockito testing library to cover 7 classes with 1,178 lines of code

eRAMx Software Developer — Feb. 2025 – May 2025
Rose-Hulman Ventures
- Developed full-stack medical web application supporting thousands of patients
- Migrated legacy system to ASP.NET framework in C# with SQL for data storage
- Spearheaded unit testing initiative with xUnit framework

Projects:

Kebab2Snake – Command Line Interface Tool — Jun. 2025
- Implemented kebab-case to snake-case conversion tool in Shell
- Enabled renaming of files and directories with support for optional arguments
- Incorporated boundary value analysis in unit testing

Rosie Runner – Interactive Online App — May 2025
- Deployed online application with Angular framework and TypeScript
- Featured JavaScript game component with dynamically updated leaderboard
- Supported form validation and persistent data storage with PickleDB

Service:

Vice President of Service — May 2023 – May 2024
Alpha Phi Omega
- Directed a chapter of 40 active members to coordinate service opportunities
- Established partnership with Wabash Valley Neighbors Helping Neighbors

Leadership:

Tutor and Supervisor, *Learning Center* — May 2025 – Present
TA and Mentor, *CSSE Department* — Oct. 2023 – Present