Juan Rene Hernandez Sanchez

Software Engineer

I am a student of computer systems engineering. My professional objective is to contribute to a company that allows me to showcase my professional skills, so that through personal effort, collaborative work, and responsible practice, I can contribute to the development of high-quality projects.

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EXPERIENCE

Escuela Superior de Cómputo (ESCOM) Laboratorio de Innovación Tecnológica (LIT) , México –*Backend Development*

JANUARY OF 2022 - DECEMBER 2022

I have experience in backend development with Java and Spring Boot. Relational database maintenance, specialized in PostgreSQL. Tutoring and training of new project members in Java and Spring Boot.

EDUCATION

Escuela Superior de Cómputo (ESCOM-IPN), México – *Engineering in Computer Systems B.S.*

AUGUST OF 2015 - DECEMBER OF 2023

– Application development using **C/C++**, **Java**, and **Python**.
– **Frontend** development skills with **HTML**, **CSS**, **JS**, **TS**, and **Angular**.
– Proficient in SQL databases.
– Experienced in using version control system (GIT).
– Analysis and implementation of **Complex Systems** and **Cellular Automata** using **Rust** and **Julia**.

PROJECTS

Corne Keyboard CRKB — *Personal project about building, assembling and programming a custom keyboard.*

I built a custom keyboard, specifically a Corne model, in addition to modifying the firmware written in C language to have a Programming Dvorak type key layout that meets my requirements.

LEADERSHIP AND AWARDS

- **Google Foobar** participant , **Google Code Jam** and **KickStart**.
- **Organizer** and **teacher** of my university **Algorithm club** helping +100 students each semester for 2 years.
- **Teacher** of **violin** in my university **Folkloric Music club** for 4 years.

COURSES AND APPRENTICESHIPS

- **Javascript from Scratch** – EDteam (2018).
- **Java Developer** – JetBrains Academy (2019).
- **Algorithm Designer** –JetBrains Academy (2020).
- **Master Angular (formerly "Angular 2")** – Udemy (2022).
- **Java (Beginner, Intermediate, and Advanced)** – LIT (2022).
- **Spring Boot with Java** – LIT (2022).
- **Relational Databases with PostgreSQL** – LIT (2022).
- **TypeScript and Angular 2** – LIT (2022).
- **Version Control Management (GIT)** – LIT (2022).
- **Cybersecurity Basics (SC-900)** – Operación Aleph (June 2023 – Today).

LANGUAGES

Spanish – native
English

- Entry Level Certificate in ESOL International – Cambridge (2014)
- Higher Basic Communicative English Certificate Diploma – Libertadores de America (2014)

PROGRAMMING LANGUAGES

5 years (Advanced)

- **C++** – from C++11 to C++20 mainly for competitive programming
- **Java** – focus on backend, CLI software and creating apps.

2 years (Proficient)

- **Rust** – mainly to create apps and simulation.

6 months (Beginner)

- **Go**
- **Julia**

TECHNOLOGIES I KNOW

- **Angular**
- **Spring Boot**
- **Kotlin**
- **Typescript**