EMANUEL BARRERA ESTRELLA

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🎓 EDUCATION

Computer Systems Engineering, B.S. | Instituto Politécnico Nacional (ESCOM)   JAN 2017 - JAN 2022
Full Stack Development as Major, Web Development and Mobile Development, Electronics, Data Mining, Algorithms and Data Structures

💼 WORK EXPERIENCE

Full Stack Developer @ T7 International Group ®   **February 2024 - Present**

Vigía Master Suite ® Developed the SNMP Monitor for Network Elements Configuration from the Front End to the REST API
Vigía IOT ® Integrated a SNMP Monitor on a Collector which has multiple IoT sensors and designed the UI for configuration
React Design with Ant, Spring Boot, Java 8, Maven, PHP, Laravel, Docker, SNMP Protocol, MIB Browser and Moxa Collector

Software Engineer II @ HCLTech ClearCase and VersionVault Express ®

ClearCase ® Support Development   **January 2023 - September 2023**

Developed support C and C++ development for Windows OS & Linux / AIX on the connectors layer of the IBM z OS ® mainframe. Converted compiled output binary objects for 64 bits architecture. Tested performance on Linux OS environments.
C, C++, Xmakefile, Compiled Binary Objects, tcp sockets, distributed systems, mainframe, IBM z OS connectors & RCC

HCL VersionVault Express ® Web Application   **March 2022 - December 2022**

- Developed and tested the API in a large scale team from the original ClearCase ® Bash Client to a new Web Application
- I used Unit Testing for API endpoints and used Jenkins Pipeline for integration tests improving the team's coordination.

Java 8, Spring Boot, Maven, Python3, Django, Eclipse, Swagger, Jenkins, Vagrant, Microsoft Azure & Apache Tomcat Server

Back-End Developer @ Segurify ⬈   **March 2021 - February 2022**

- Developed and migrated a CRM project to a Web App (Assurance Industry) that handled the B2C process from the Ticket Request, to the Assurance Comparer (AIG, Qualitas, GNP, HDI) and finally generating the Assurance Policy.
- Developed a Gmail Bot that read multiple emails in a synchronous task and parsed these requests for processing.

Java 8, Spring Boot, Maven, IntelliJ, Git, BitBucket, Jira, Postman, Vue.js, Javascript, XML, RegEx & Google Cloud Console

⭐ SKILLS

</> PROGRAMMING LANGUAGES EXPERTISE

4 YEARS: Java | *mostly for Back-End & SpringBoot framework*
3 YEARS: C/C++ | *developed Rational ClearCase ®*
3 YEARS: JavaScript | *worked React and Node development*
2 YEARS: Python | *worked, using Django, in ReviewBoard*
1 YEAR: PHP | *developed on Laravel framework*
6 MONTHS: Ruby | *worked Ruby on Rails framework*
6 MONTHS: Kotlin | *mostly for Android and BackEnd dev*

🌐 ONLINE COURSES

◇ Global Business Hard Skills; O'Reilly Online Training - Introduction to Containers: Docker (2023)

◇ TOEFL ITP Certification (2021) - **Score 500 (CEFR B1 Lv)**

◇ Data Mining with Weka ⬈ :Online Course by The University of Waikato to introduce Machine Learning (2020)

◇ GoodTyping -> how to type using all fingers in QWERTY keyboard - **Keystrokes Per Minute (KPM) +260** (2020)

📱 TECHNOLOGIES OF EXPERTISE

Android SDK, Android Studio, Ant, AWS, Azure Console CLI, Bootstrap, CSS, Docker, Eclipse, Flask, EC2, Firebase ML Vision Analytics, Git, Google API Console, HTML, IntelliJ, Jenkins, jQuery, Makefile, Material Design, MongoDB, Netbeans, Nginx, Node, Oracle Cloud, Postman, PostgreSQL, React, RegEx, SNMP, Spring Boot, SSH, Swagger, Vue.js, VS Code, Vagrant, Vim, VirtualBox. Arduino, Windows Batch, Linux.

👤 LEADERSHIP AND AWARDS

✓ International Academic Exchange Program at Technical University of Madrid, Spain (2020)
✓ Student of Academic Excellence at the Superior School of Computer Sciences (2017 - 2021)
✓ Participation at the Microsoft Chatbot Hackathon (2019)
✓ Participated with three artworks at an exposition (2019)