

Erick Patiño Jaimes

MECHATRONIC ENGINEER FULL-STACK DEVELOPER

PROFESSIONAL SKILLS

Mechanical Design:
SolidWorks Fusion 360

Electronic Design:
Altium Eagle

Programming:
MySQL Postgres
Python HTML5
CSS3 JavaScript
React Tailwind
Sequalize Git
Github Express
Node C

LANGUAGES

Spanish Native
English Intermediate-Advanced

SOFT SKILLS

Responsible Creative
Adaptability Collaborative
Attention to detail Committed
Problem solving

CONTACT DETAILS

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GitHub: <https://github.com/EPJHUB>
Portfolio: <https://portafolio-delta-gray.vercel.app>

ABOUT ME

Energetic and passionate college graduate with a Bachelor of Science in Mechatronics Engineering, self-taught and enthusiastic for learning and enhancing the knowledge and skills I've acquire during my professional career. Creativity and hardworking are skills that defines me as engineer. Aiming to collaborate in areas such as software development, both mechanical and electric design and automation. Excited about using my expertise and tenacity to grow in the industry.

EDUCATION

Full-stack developer September 2023 – March 2024
Academlo **Mexico City, Mexico**

B.S. Mechatronics Engineering August 2014 – December 2019
IPN – UPIITA **Mexico City, Mexico**

Digital Systems Technician August 2010 – December 2013
IPN - CECYT 9 "Juan de Dios Bátiz" **Mexico City, Mexico**

WORKING EXPERIENCE

Mechatronics Engineer-Innovatecsi.

August 2021 – Present

CDMX, México

- Design and implementation of devices for care and monitoring of contact sports athletes in order to prevent concussions with the help of microsensors.
- Programming of microcontrollers focused on radio frequencies and the Internet of Things, for the processing and transmission of data through a wireless network.
- Design and implementation of test boards, radio frequency transmitters and receivers, control boards, as well as the management of electronic component libraries to improve workflow and reduce project development time.
- Development of technical documentation (manufacturing and assembly diagrams, user manuals, connection diagrams, etc.) for compliance with Norma Oficial Mexicana NOM-241-SSA1-2021.
- Implementation of communication protocols for embedded systems.
- Design and implementation of Captive Portal (HTML, CSS and Javascript) for IoT devices configuration.

Integration Engineer-Ericsson Telecom S.A. de C.V.

November 2020 – April 2021

- Integration of new technologies (5G and 4G), remotely reconfiguration and updating of networks
- Collaboration and coordination with international teams to perform reconfiguration and integration activities.
- KPI's inspection to ensure compliance with costumer's expectations, as well as the preparation of reports before and after integration and update activities.

CERTIFICATES

- [Coursera - Google IT Automation with Python](#)
- [Project management and other tools for career development](#)
- English B2 CELEX UPIICSA IPN
- [Academlo - Fundamentals HTML, CSS y Javascript](#)
- [Academlo - Front-end development with React](#)

PROJECTS

[Graduation Project: Automatic Vertical Orchard HVA](#)

- Design and implementation of control boards (Altium).
- Design and machining of tools for HVA (SolidWorks, Mastercam X5)