

## **Erick Patiño Jaimes**

Mechatronics Engineer   Full-Stack Developer   Mexico, Mexico City   +525512026902  
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<https://portafolio-delta-gray.vercel.app>

### **Working experience**

#### Innovatecsi – Mechatronics Engineer - August 2021 – Present

- 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.
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#### 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.

### **Education**

Academlo – Full-Stack Developer - September 2023 – March 2024

UPIITA – IPN – B.S. Mechatronics Engineering - August 2014 – December 2019

Cecyt 9 Juan de Dios Bátiz Paredes – IPN Digital Systems Technician.

### **Skills**

#### Soft skills

Spanish / English / Responsible / Creative / Adaptable / Collaborative / Attention to detail / Committed / Problem solving

#### Technical skills

Solidworks / Fusion360 / Altium / Eagle / C / MySQL / Postgres / Python / HTML / CSS / Javascript / React / Tailwind / Sequelize / Git / Github / Express / Node / C