

Diego Rivera Spröhnle

Full Stack Developer & Embedded Robotics

San Fernando - Chile

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Full Stack Developer & Embedded Robotics with solid experience in web development, mobile applications, databases and APIs. Specialized in creating high-impact innovative technology solutions, focused on social and business development. Able to manage complete systems, from frontend to backend, applying good security and performance practices. I stand out for my adaptability, critical thinking and effective communication, which allows me to collaborate in multidisciplinary teams. I am looking to continue growing through projects that integrate technology and social purpose.

PROFESSIONAL EXPERIENCE

Sales Management System Development (Freelance)

September 2024 – 2025

Individual Company, San Fernando, Chile

- Full stack web system development with JavaScript, React, Node.js and PostgreSQL for integrated sales management.
- Implementation of functionalities such as creation, edition and sale of products, application of discounts, selection of payment methods and issuance of receipts.
- RESTful API design and relational database modeling, with optimized queries and endpoint security.
- Visualization of key metrics: daily earnings, sales by date, best-selling products and historical graphs.
- Expense control module with input, editing and expense breakdown.
- Responsive and dynamic interface oriented to the user experience.

Industrial Automation with PLC Phoenix Contact - SMC

2020 – July 2023

Rodotecnica, Santiago, Curicó, Parral, Chile.

- Analysis and design of automation systems using Phoenix Contact PLCs IEC programming language to optimize industrial processes.
- Implementation of automation solutions, from initial planning to commissioning, ensuring efficient equipment integration and optimal system functionality.
- Programming and configuration of PLCs to ensure efficient and accurate operations, ensuring effective connectivity and communication between devices.
- Execution of comprehensive testing and troubleshooting to verify proper operation of automated systems, including optimization of speed, accuracy and process safety.
- Coordination with multidisciplinary teams to ensure compliance with automation objectives, improving efficiency and productivity in industrial environments.

Installation and maintenance of networks and computer equipment

2015 – July 2024

Individual Company, San Fernando, Chile.

- Planning, design and implementation of computer networks according to specific requirements: number of users, estimated traffic, location of access points, routers, switches and structured cabling.
- Configuration and connection of devices, user management, handling of network protocols, users, passwords.
- Preventive maintenance of connectivity, speed, performance and security problems in networks and equipment.
- Training users on the proper use of equipment and programs, providing technical support and solutions to frequent problems.

PROGRAMMING TECHNOLOGIES:

Programming Languages: Javascript, C, Typescript, Python, Java.

Frameworks Tools: ReactJs, ExpressJs, Spring.

Database: PostgreSQL, MySQL, MongoDB Atlas Sequelize.

Servers and Containers: Tomcat.

Tools: Git, Discord, Confluence, Slack, Figma, Trello, Adobe Photoshop, Adobe Lightroom, Excel.

Agile: Scrum.

Deployment and Hosting Platforms: Vercel, Netlify.

PROFESSIONAL EDUCATION

- Mechatronics Civil Engineering. University of Talca. 2017
- Computer Engineering. San Sebastian Institute. 2025 - present.
- Full Stack - Soy Henry
- Full Stack Java Trainee – Digital Talent Chile – Fudesco Adalid.

COMPLEMENTARY EDUCATION

- Python for Data Science. Cognitive Class - IBM. 2023.
- Data Analysis Using Python. Cognitive Class - IBM. 2023
- Various online courses from Udemy, Platzi, Cognitive Class, Coderhouse, etc..

LANGUAGES

- Native Spanish
- Inglés C1 - Advanced.
- Basic German.

