

Diego Rivera Spröhnle

Engineer - Full Stack Developer

San Fernando - Chile

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Engineer with a consolidated background in various technologies, focused on the structuring, development and maintenance of innovative technology solutions. My focus is on boosting social development and business success through high-impact solutions. Experienced in areas such as computer science, programming, electronics and mechanics, obtaining solid skills in the installation and maintenance of computer networks, diagnosis of electronic equipment and computers, as well as in the design and implementation of electronic payment solutions and industrial automation. Committed to ensure safety and welfare at work. My adaptability and critical thinking skills are complemented by effective communication skills, which allows me to collaborate productively in multidisciplinary environments and achieve common goals. I seek to continue challenging myself in projects that allow me to merge my technical expertise with my passion for technological and social development and thus grow personally and professionally.

PROFESSIONAL EXPERIENCE

Installation of computer networks

2015 - 2023

Private Company, San Fernando, Chile.

- Planning and design of network requirements, number of users, expected traffic, location of access points, routers, switches, and cabling path.
- Configuration and connection of devices, handling of network protocols, users, passwords.
- Testing and troubleshooting to verify connectivity between devices, speed and quality of connections, as well as to assess network security.

Maintenance of electronic equipment and computers

2015 - 2023

Private Company, Chile.

- Inspection and diagnosis of electronic equipment and computers to identify and resolve hardware and software problems.
- Preventive and corrective maintenance of devices, performing cleaning, software updates, replacement of defective components and performance optimization.
- Training to end users on the proper use of equipment and programs, offering guidance to solve common problems.
- Implementation of computer security measures, including the installation of antivirus software, firewall and safeguarding of sensitive data.

Web-Card Payment Totem Development

2023

Tododeportes, San Fernando, Chile.

- Direct experience in the development and implementation of electronic payment solutions using the API provided by Transbank.
- Development of programming logic to interact with Transbank services, facilitating communication between the internal system and the payment gateway.

Industrial Automation with Phoenix Contact PLC and IEC languages - SMC

2023

Rodotecnia, Santiago, Curicó, Parral, Talca, 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.

PROGRAMMING TECHNOLOGIES

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

Frameworks Tools: ReactJs, ExpressJs.

Database: PostgreSQL, MySQL, Sequelize.

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

Agile: Scrum.

PROFESSIONAL EDUCATION

- Mechatronics Civil Engineering. University of Talca. 2017 (Incomplete)
- Full Stack Web Developer. Henry Bootcamp. 700 hours of theoretical-practical coursework. 2023.

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, etc.

LANGUAGES

- Spanish: Native.
- English: C1 – Advanced.
- German: Basic.

SKILLS

- Teamwork - Taking initiative
- Critical thinking – Empathy
- Effective communication
- Orderly
- Responsible
- Flexibility to change - Creativity and Innovation