


Edgar David Garcia Torres

Junior full stack developer


[Personal Website](#)

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WORK EXPERIENCE

Front end developer Volunteer - TOLindo Deliveries - October 2022 – present - Toronto Canada.

- Design and create user interfaces and its functionalities based on product requirements using CSS, Html, JavaScript Redux and React.js framework.
- Creation of step-by-step input process to create bulk delivery orders using Redux, CSS, bootstrap, tailwind, and jQuery.
- Collaborate in Agile Environment to Optimize the front-end performance of the existing TOLindo web app using Jira, Git.

Electronic maintenance supervisor Beumer Group February 2019 – January 2021 -Bogota-Colombia.

- Train, Lead and supervise technical teams from 4 to 8 electrician and mechanics technicians to perform maintenance of baggage handling system at Bogota´s international airport.
- Implementation of new functionalities on the baggage handling system.
- Debug, reprogram and reconfigure control systems (SCADA system, PLC Siemens), communication networks, and microelectronic systems.
- Reprogramming fire doors' functioning to increase their lifespan with LOGO plc from Siemens.
- Generate SQL server queries to generate maintenance statistics for analysis.

Drilling rig electrician - Petrex group Saipem May 2017 - October 2018 -Bogota-Colombia.

- Troubleshoot and update control programs on PLC Siemens, Schneider, Allen Bradley and communication networks.
- Conducting safe planned maintenance and repairs of electrical, electronic, and hydraulic components on drilling equipment and associated systems including Pipe torsion systems, Drawworks, Top Drive and Mud pumps.
- Redesign of camp electrical network and recondition electrical cabinets, reducing camp installation time from 4 weeks to 2 avoiding electrical failures and ensuring compliance with national regulations.
- Install and maintain earthing, lightning protection systems and emergency alarms.
- Work as part of a team to test, commission and maintain electrical generators (CATERPILLAR 3512C), electrical networks, for drilling equipment and residential camp units. Voltage range 0 to 600 Volts.

Software developer Intern - AV Villas Bank. June 2016 – January 2017 -Bogotá-Colombia.

- Collaborate on software maintenance regarding banking applications for the business portal using ETL, C# with .NET, Visual Studio, SQL Server, and transaction processing with Cobol in IBM-I system Z/390.
- Create User interface and business logic to extract informs about accounts related to the pension administrator "Colpensiones" using C# ETL .NET framework and SQL server.
- Develop business logic and web services to implement web payments for institutional clients using COBOL, IBM-I system Z/390, IBM WebSphere, XML.
- Develop business logic to store user information obtained during the last access of the users to the business web portal using COBOL, IBM-I system Z/390, batch programming, and SQL server.

SIDE PROJECTS

Seneca Music: Web app to display music information retrieved from Spotify using their API services and stores a list of favorite songs in a database. App created with bootstrap, angular.js, Express.js Mongo DB, JWT.

New York city bike trips: Web app that displays and modifies bike share service information stored in a mongo database. App created with Mongo DB, Express.js, leaflet.js and React.js framework.

TECHNICAL SKILLS

Programming languages: C, C++, C#, Java, Cobol, Python, JavaScript, typescript, SQL, **PLC languages:** KOP/Ladder, SCL.

Databases: MongoDB, Postgre, SQL Server, ORACLE SQL.

Technologies: Microcontrollers, TCP/IP, IoT, RS232, Ethernet, Profibus, Profinet, MODBUS, PCB design, circuit design, SCADA systems, Angular, React, .NET, GitHub, html, CSS.

Platforms: UNIX, Linux, Windows.

Tools: Visual Studio, Visual Studio Code, Eclipse IDE, LabView, MATLAB, Step7-Tia Portal (Siemens), SQL Server, WinC, HMI, SolidWorks, Multimeter, oscilloscope.

EDUCATION AND CERTIFICATES

2022 Diploma - Computer programming Seneca college **GPA: 3.8/4**

2018 Diploma - Programmable Logic Controllers (PLC) and industrial networks. Central University - Colombia

2016 Bachelor's degree – Electronics' Engineering El Bosque university - Colombia.

Driver's license: **Class G**

AWARDS

Mention of honor: For research work presented to apply for the degree of Electronic Engineer:

"Wireless control for analog guitar effects", Developed using technologies: LabVIEW, Embedded Software, microcontrollers, Bluetooth, RS232, radio frequency antennas (UHF). C Language

LANGUAGES

English - Advanced

Spanish - Native