

Laboral Profile

Mechatronics Engineer with a double degree in the Mechanical Engineering program at the Technological University of Bolívar, MBA and Master Big Data and Business Intelligence at ENEB, Software Engineering Candidate at the University of Cartagena. Experience focused on the production and maintenance area, monitoring and guaranteeing efficiency in production lines, as well as identifying and establishing preventive and corrective maintenance needs in refrigeration equipment. With knowledge in industrial maintenance and in the naval sector. Advanced command of English, SCRUM methodology and technological skills in Office (Excel Advanced level), SAP, Cypcad, Jira, Trello, Arduino, MySQL, Github, C++ Languages, Java, Java Script, Framework Vue, Vuetify, React and experiences in IDE'S VSC, Atom, and App Inventor. With initiative and skills to lead and be part of work teams, with good interpersonal relationships and willing to put his skills and talents as a person and professional at the service of the company. Job interest oriented to the area of maintenance, production, data analysis and software development, holding positions that allow optimization and efficiencies.

Work Experience

Investigator III

COTECMAR February 2023 – November 2023

Currently, I hold the position of Investigator at the prestigious company COTECMAR, where I play a fundamental role in cutting-edge research and development within the naval field, as part of the I+ D Department. My main function is to conduct rigorous studies and investigations with a proactive attitude, aiming to drive innovation and continuous improvement in our industry. Additionally, I am an essential part of various projects as a Frontend Developer for naval software. In this capacity, I am directly involved in designing, creating, and optimizing intuitive and functional user interfaces, which are critical to operational efficiency and user experience in our systems. As a Investigator III, I take on the responsibility of analyzing emerging challenges and demands in the naval sector, proposing high-level technical and conceptual solutions, with the goal of establishing COTECMAR as an undisputed leader in the market. My passion for research and development drives me to stay at the forefront of technological advancements and best practices in the naval industry.

My trajectory at COTECMAR has provided me with the opportunity to collaborate closely with a highly skilled interdisciplinary team, enriching my professional experience and strengthening my communication and teamwork skills.

Software Developer

AT&T November 2022 – January 2022

At AT&T, as a Software Developer specialized in Power Apps and Power Automate, I led the design and development of enterprise applications. I excelled by creating efficient solutions that optimized internal processes and reduced response times. I maintained and improved existing applications, implementing updates and automating repetitive tasks. I collaborated closely with interdisciplinary teams and demonstrated strong communication skills. My proactive approach contributed to the overall success of the projects.

Operator Pull Roll Stand

Taghlee Industries LIC August 2020 – February 2021

In charge of verifying the process conditions, flame / corona treatment and winding, Execute inventories of Mill Roll product, Make Product Change, Extract Product Sample, Register The Product in the PEM-SAP software and Corporate Documents, Keep control of production, Carry out cleaning in the Pull Roll Stand equipment for an optimal process and Restore the continuity of production after anomalies, breakage or equipment stoppages.

Supervisor engineer

Stip S.A.S October 2018 - September 2019

In charge of calculating and selecting equipment based on the thermal loads of the enclosure. Calculation and design of ducts depending on the distribution in the enclosure. Supervise and execute preventive maintenance in plate heat exchangers in BIOFILM production lines. Supervise and execute preventive maintenance in tube and shell exchangers in BIOFILM production lines. Supervise, execute and monitor rates of preventive and corrective maintenance in refrigeration equipment at Ajoer S.A. Carry out inventories and stock maintenance of critical equipment. Coordination of the area work team made up of 5-10 people depending on the project to be developed.

Achievements:

- Carry out a labeling, identification and enumeration process of the equipment by plant, which allowed greater control in terms of periodic maintenance, updating of inventories and restructuring of the database.
- Cypcad and Instawin software implementation, to optimize the designs and selection of equipment for the different projects.

Assitent of production

Biofilm S.A. July 2017 - April 2018

Responsible for monitoring the efficiency of production lines, input versus output analysis. Execute inventories of raw materials. Create Scrap Inventory. Run Mill Roll Inventories. Monitor the behavior of the production lines, through the event log and dashboards of the LSS (Lean Six Sigma) project. Verification of Mill Rolls of BOPP produced daily and validation of service tickets. Track defective products through second tracking. Calculate the availability and reliability of a series production system. Reservation of materials for the production department.

Achievements:

- Optimization of the inventory execution process, reducing times for its preparation and stabilizing the results (supporting the development of the Lean Six Sigma project).

Studies

Academic training

Specialization in Software Engineer

Universidad Internacional De La Rioja May 2023 – At the moment

Software Engineer

Universidad De Cartagena February 2022 – At the moment

Technician in Programming Applications for Mobile Devices

SENA October 2021 – October 2023

MBA / Master Big Data and Business Intelligence

Escuela de Negocios de Barcelona- ENEB December 2018 – February 2021

Mecathronic Engineer

Universidad Tecnológica de Bolívar February 2013 – May 2018

Mechanical Engineer

Universidad Tecnológica de Bolívar February 2013 - May 2018

Complementary studies

Data Analyst

CoderHouse December – At the moment

Frontend Developer

CoderHouse June 2023 – At the moment

Full Stack Software Programming and Development

Platzi November 2021 – At the moment

Analysis For Mobile Development With App Inventor

SENA March 2022 – April 2022

Fundamentals of Programming and Software Development

Universidad Tecnológica De Pereira (Misión TIC 2021) April 2021 – December 2021

Business English B2

Cincinnati lingua January 2020 – July 2021

Management Skills

Politécnico Superior de Colombia October 2018 – December 2018

Design and Construction of Small Sails

Universidad Tecnológica de Bolívar November 2016 – May 2017

Industrial maintenance

Universidad Tecnológica de Bolívar February 2016 - July 2016

English

Open English Enero 2016 - Enero 2018

Cincinnati Lingua Enero 2020 – En curso

Language

English: Mastery percentage 80%