

DAVID SOSA SAAVEDRA

MECHATRONIC ENGINEER



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Colombia - Bogotá



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ABOUT ME

I am a mechatronic engineer passionate about programming and with solid knowledge in database management and dashboard development. My experience covers both technical aspects and project management, allowing me to offer integral and efficient solutions.

I consider myself an innovative person with analytical thinking, always looking to improve processes and optimize resources. My technical skills in electronics, mechanics, automation and my ability to lead projects allow me to adapt and excel in dynamic and challenging environments.

EDUCATION

Mechatronics Engineering

Universidad Militar Nueva Granada
2019 - 2024

Programming Skills Course

MINTIC
2021

Mobile Application Development Course

MINTIC
2021

LANGUAGES

Intermediate English
Native Spanish

PORTFOLIO

<https://portafolio-sosa.vercel.app/>

SKILLS

- Detail-oriented
- Problem solving
- Teamwork
- Organizational skills
- Persuasive communication
- Project management

EXPERIENCE

2024

DEVELOPER AND PRODUCT OWNER

SEGUROS BOLIVAR

- Development of dashboards for the Digital Portfolio Management team, on information from the company's suppliers.
- Visual Basic application for cleaning database tables in Excel.
- Development of Apps Script for database information processing in sheets.
- GMAIL mail design update for supplier documentation in Apps Script in HTML language.
- Planning and monitoring of projects in the area of Innovation and Development, using Jira software for the creation of schedules with the respective user stories and managing their due compliance.

2022 - 2024

MANAGER

LUKAS SOLUCIONES INTEGRALES

- Parameterization and maintenance of the World Office accounting system for a business unit focused on institutional sales of technological solutions.
- Institutional commercial advisory for rental and sale of technological solutions.
- Support in product inventory analysis and management.

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LABOR REFERENCES

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EDUCATION

2019 - 2024

MECHATRONICS ENGINEERING

UNIVERSIDAD MILITAR NUEVA GRANADA

- Design and development of automatic systems through the integration of control technologies, sensors, and actuators.
- Proficiency in programming languages for software development, applied to robots, controllers, and embedded systems.
- Design and implementation of analog and digital electronic circuits for the creation of embedded systems and mechatronic devices.
- Development of AI algorithms and machine learning for improved decision-making and autonomous control.
- Design and management of databases for data storage, querying, and processing.
- Skills in the planning, execution, and control of technological development projects, with a focus on the integration of multidisciplinary areas.

2021

PROGRAMMING SKILLS COURSE

MINTIC

- Understanding of basic programming concepts such as variables, control structures, functions, and algorithms.
- Development of web applications using languages such as HTML, CSS, and JavaScript.
- Design and management of relational databases, with knowledge of SQL for querying and data manipulation.

2021

MOBILE APPLICATION DEVELOPMENT COURSE

MINTIC

- Creation of applications for iOS and Android platforms using languages and frameworks such as Java, Kotlin or Flutter.
- Connecting mobile applications with external services by consuming APIs to retrieve and send data.
- Application of methodologies like SCRUM for the management and development of software projects in an iterative and collaborative manner.