



Jacobo Jaramillo

Software Engineer
MSc. Electrical Engineering & IT

CONTACT

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PERSONAL PROFILE

Experienced full-stack software engineer with over 7 years in engineering, including 5+ years in software development, focused on JavaScript-related technologies. Skilled in building scalable applications and leading IoT projects, with a strong ability to manage both backend and front-end development.

An effective team collaborator known for excelling in high-pressure, fast-paced, agile environments. Adept at improving deployment processes and delivering efficient solutions across diverse sectors. Passionate about solving technical challenges and driving system improvements.

SKILLS

Proficient with **Vue.js** **React.js**

TypeScript **JavaScript** **Node.js**

Experienced with **Express.js**

REST **GraphQL** **CSS** **Apollo GraphQL**

Redux **Jest** **HTML** **CI/CD**

GIT **Azure** **Serverless**

Worked with **React Native** **C++**

Python **Flask** **C#** **Kubernetes**

Docker **Terraform** **Bicep** **MySQL**

PostgreSQL **MongoDB** **Redis**

WORK EXPERIENCE

Sep 2020 **Software Engineer**

Present **Device Insight - Munich, Germany / Remote**

- Over four years of hands-on experience on the Internet of Things (IoT) domain, contributing to multi-million-euro projects. Proficient in full-stack development, architectural design, and DevOps practices.

Feb 2020 **Backend JavaScript Developer**

Aug 2020 **European Computer Telecoms - Munich, Germany**

- Refactored legacy Java code into TypeScript for Telecom value-added services, improving code scalability and maintainability.
- Leveraged advanced design patterns such as Dependency Injection, Observer, and Factory to enhance system architecture and optimize service modularity.

Sep 2018 **Master Thesis Researcher/Intern**

Dec 2019 **Schneider Electric - Ratingen, Germany**

- Conducted research on machine failure detection to develop real-time analytics solutions.
- Designed and deployed web applications to streamline operational data processing, improving system reliability and scalability.

Dev 2015 **Field Service Engineer**

Sep 2017 **PesaPack - Manizales, Colombia**

- Designed and implemented wiring diagrams and technical documentation for industrial equipment, leading to efficient commissioning of control devices.
- Programmed and configured PLCs and HMIs to optimize equipment performance, reducing downtime and improving reliability in high-demand industrial environments.

EDUCATION

Oct 2017 **MSc. Electrical Engineering and IT**

Mar 2020 **Hochschule Darmstadt - Darmstadt, Germany**

Master thesis on machine failure detection using real-time analytics with Python and Docker.

Jan 2016 **Postgraduate Diploma, Project Management**

Nov 2016 **Universidad Nacional de Colombia**
Manizales, Colombia

Focused on project lifecycle management and agile methodologies

Jul 2010 **Engineer's Degree, Electronic Engineering**

Aug 2015 **Universidad Nacional de Colombia**
Manizales, Colombia

Relevant coursework: Control Systems, Embedded Systems, Signal Processing.

LANGUAGES

Spanish Native

English Proficient (C1/C2)

German Independent (B1/B2)

French Basic (A2)