



# Javier Mauricio Pinilla Garcia

**Date of birth:** 20/03/1998 | **Nationality:** Colombian | **Gender:** Male |

(+57) 3054247912 | (+49) 1782337666 | [ing.jmpinillag@web.de](mailto:ing.jmpinillag@web.de) |

<https://www.linkedin.com/in/ingjavierpinilla/> | <https://github.com/ingjavierpinilla> |

Bogota, Colombia

About me: Software developer with 2 years of experience and a bachelor's degree in mechatronics engineering willing to relocate to Germany. Successfully worked on projects of deep learning, data processing, image processing, cloud services and web development in both large companies and start-ups. Experience working remotely in positions spoken entirely in English and German.

## ● WORK EXPERIENCE

10/02/2021 – CURRENT – Bogotá, Colombia

**SOFTWARE ENGINEER – MAGENTRACK**

Developing a web application based on microservices for monitoring patients with chronic diseases.

- Architecture design on AWS.
- Web application development.
- Integration of web application with mobile application.
- REST API creation.

Languages and technologies used: Python, Django, Pytest, MySQL, Git, Docker, AWS, Lambda, EC2, DynamoDB.

27/07/2020 – 26/10/2020 – Bogotá, Colombia

**DATA ANALYST – FREELANCE**

Developing a web application for data visualization and manipulation.

Creating of a machine learning model to predict the total development hours of a software project in order to estimate costs at the beginning of the project.

Languages and technologies used: Python, Dash, Postgresql, Scikit-learn, AWS, S3, EC2.

13/03/2020 – 11/09/2020 – Stuttgart, Germany

**SOFTWARE ENGINEER / FULL TIME INTERN – ROBERT BOSCH GMBH**

- Developing a software for the reception, decoding, and storage in HDF5 format of the data coming from the sensors of autonomously driven vehicles using C++.
- Creating a software for reading and displaying the vehicle's sensors onboard the vehicle.
- Creating an application to automate ECU flashing using python (ironpython and WPF) and PRACTICE.
- Web scraping with python and beautifulsoup.

Languages and technologies used: Python, Iron Python, C++, WPF, Visual Studio Code, Visual Studio, HDF5, PRACTICE, SQL, Git.

26/02/2019 – 28/08/2019 – Bogotá, Colombia

**SOFTWARE ENGINEER – BSMART EU**

Developing a license plate recognition system, as well as support to different projects focused on the area of machine learning applied to images.

Languages and technologies used: Python, OpenCV, C++, MySQL.

02/02/2018 – 01/02/2019 – Bogotá, Colombia

**SOFTWARE ENGINEER – FREELANCE**

Developing an own product.

Automatic license plate recognition system developed using python together with opencv where through the use of neural networks the number of colombian license plates could be obtained as a text string.

Languages and technologies used: Python, OpenCV, MySQL, AWS.

## ● EDUCATION AND TRAINING

---

18/01/2015 – 17/12/2020 – Bogota, Colombia

**MECHATRONICS BACHELOR'S DEGREE** – Universidad Nacional de Colombia

---

Automation

Robotics.

Metrology

Artificial Intelligence

Control engineering

Sensor technology

### Field(s) of study

- Information and Communication Technologies : *Database and network design and administration* | *Inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs)* | *Software and applications development and analysis*
- Engineering, manufacturing and construction : *Electronics and automation*

2.0 | 1.0 | <https://unal.edu.co>

30/09/2019 – 06/10/2020 – Keplerstraße 7, Stuttgart, Germany

**ACADEMIC EXCHANGE YEAR** – Stuttgart Universität

---

I had the opportunity to attend classes related to robotics and data processing of the mechatronics master. In addition, I did an internship as a student at Robert Bosch GmbH

### Field(s) of study

- Information and Communication Technologies : *Database and network design and administration* | *Information and communication technologies not elsewhere classified* | *Software and applications development and analysis*
- Engineering, manufacturing and construction : *Electronics and automation*

<https://www.uni-stuttgart.de>

## ● LANGUAGE SKILLS

---

**Mother tongue(s):** SPANISH

**Other language(s):**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1
<b>GERMAN</b>	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● DIGITAL SKILLS

---

python | git | GIT (GitHub) | Java Programming language | C, C++ C# | SQL/MYSQL | Machine Learning libraries Scikit-Learn Tensorflow Keras Scipy | AWS EC2 RDS S3 Lambda | Django Framework & Django REST | ReactJS | C#, WPF, WCF, SQL