

# Guido Santillán

FULL-STACK WEB DEVELOPER · MECHATRONICS ENGINEER · TECH ENTHUSIAST

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Date of Birth: 28.12.1992   Nationality: Ecuadorian   Marital Status: Single



## Summary

I am passionate about technology and its use to improve and ease human life quality. I use a multi-disciplined approach to solve problems. A fast learner who adapts quickly to assess an organization's needs. I am actively looking forward to expanding my knowledge, improve my skills and obtain relevant experience in the IT industry in order to help develop world-changing solutions.

## Projects

### Syder Ideas

Quito, Ecuador

INDEPENDENT DEVELOPER

January 2019

- Syder Ideas is a web application which you can store your side-project ideas in an intuitive and systems-based way.
- Front-end developed in React. Back-end uses NodeJS and Express. It is hosted on Heroku.
- Communicates with a REST API to fetch data.
- Stores all data in a PostgreSQL database.
- Designed authentication and authorization scheme with Auth-0 JWTs and Passport.
- Ongoing open source project hosted on GitHub.

## Experience

### Project Manager

Quito, Ecuador

ECUAFRANQUICIAS

Oct 2016 - present

- Automation of multiple internal processes using office automation tools and Excel to reduce in half the time needed to deliver the product to our clients while simultaneously detecting errors in the development stage and giving employees more autonomy to develop their daily tasks.
- While the processes automation improved a lot of things, it was not enough to maximize the performance of the employees, a system was needed. This system will use modern web technologies to gather, store, and manage information in an accessible way for our employees via the internet.
- Operative and administrative process documentation of our clients.
- Implementation of email marketing campaigns using MailChimp to approximately 3000+ subscribers.
- An SEO strategy was put in place to improve local search results, it helped us reach the first positions in Google. This strategy consisted of a webpage redesign, webpage optimization, keyword research and analysis, content creation, webpage analytics.

### Web Developer

Quito, Ecuador

INDEPENDENT WORK

June 2017 - present

- Performed website design and development for clients in diverse fields such as consulting, non-profit organizations, and law firms using various CMS.
- Websites were designed with a focus on achieving maximum performance, faster loading times, mobile-friendly and optimized for SEO purposes.

### Research and Teaching Assistant of Computer-aided Design, Manufacture and Engineering subject (CAD, CAM, CAE)

Quito, Ecuador

DEPARTMENT OF ENERGY AND MECHANIC SCIENCES - ESPE

Nov. 2015 - Feb. 2016

- Modeling, analysis, and manufacture of a vehicle-based RIN.
- Elaboration of processes sheets, strain simulation and post-processing of the manufacturing operations.

## Undergraduate Researcher, Manufacturing Processes Lab.

ARMY FORCES UNIVERSITY - ESPE

Quito, Ecuador.

Jan. 2015 - Mar. 2015

- Design and development of mobile robots using 3D printing and laser cutting techniques.

## Education

### International Exchange Student

TECHNISCHE HOCHSCHULE BRANDENBURG

Brandenburg an der Havel, Germany

March - Sept. 2016

- Development of thesis project "Implementation of HIL/SIL simulation techniques for real-time tests of vehicle models using the DSPACE platform"
- GPA: A-
- System modelling | Vehicle dynamics | Embedded systems

### Bachelor of Science (B.Sc.), in Mechatronics Engineering

ARMY FORCES UNIVERSITY - ESPE

Quito, Ecuador

Apr. 2011 - Feb. 2016

- GPA: 17.43/20
- Industrial Robotics | Mechatronic Automation | CAD/CAM/CAE

## Skills

### LANGUAGES:

<b>Spanish</b>	Native
<b>English</b>	Fluent - Sufficiency in English Certificate completed at ESPE
<b>German</b>	Basic - A1 completed at Technische Hochschule Brandenburg - Germany

### PROGRAMMING EXPERIENCE:

<b>Web development</b>	HTML, CSS, SCSS, Bulma, Javascript, GIT, Webpack, eslint, prettier, Postman
<b>Frontend</b>	React, Redux, React-Router, GatsbyJS
<b>Backend</b>	NodeJS, Express
<b>Testing</b>	Jest, Enzyme
<b>Databases</b>	PostgreSQL
<b>Hosting</b>	Netlify, Heroku
<b>CMS</b>	Wordpress
<b>Machine Learning</b>	Pytorch, Jupyter
<b>Others</b>	Python, Pandas, Arduino, Processing, $\text{\LaTeX}$
<b>Basic experience</b>	C, C++, Java

### OTHER:

<b>Media</b>	Adobe Indesign, Adobe Illustrator, Sony Vegas
<b>Digital Marketing</b>	Search Engine Optimization, Google Analytics, Google Search Console, Email Marketing
<b>CAD/CAM/CAE</b>	SolidWorks, AutoCAD 2D/3D, Siemens NX
<b>Mathematical Analysis</b>	Matlab/Simulink, LabVIEW
<b>Electronic Design</b>	Proteus, Multisim

## Honors & Awards

2016	<b>Honorable Mention</b> , Awarded by the Army Forces University's principal	Quito, Ecuador
2016	<b>Winner</b> , EXPOINDUSTRIAL 2016 Mechatronics Competition – FESTO CHALLENGE	Quito, Ecuador
2016	<b>High Performance Scholarship</b> , Awarded by the Army Forces University to develop research projects in Germany	Quito, Ecuador