

JUAN SEBASTIÁN BRAVO CASTELO

Sitio personal : <https://jsbravoc.github.io>

GitHub : www.github.com/jsbravoc

jsbravoc@gmail.com

(+57) 318 7168512

PROFILE

Committed student of Systems and Computer Engineering and Industrial Engineering at the Universidad de los Andes, motivated by team achievements and with a high capacity for learning, passionate about web application development and data analysis.

EDUCATION

Universidad de los Andes

January 2017 - July 2021

Undergraduate

Systems & Computing Engineering

Universidad de los Andes

January 2018 - December 2021

Pregrado

Industrial Engineering

Universidad de los Andes

January 2017 - May 2019

Minor

German Language and Culture

RELEVANT COURSES

Systems and Computing Engineering

Programming with web technologies

Software Architecture

Transactional Systems

Software factories and product lines

Industrial Engineering

Principles of optimization

Probabilistic models

Probability and Statistics II

Simulation of Discrete Events

COMPETENCIAS TÉCNICAS

Web programming (Full-stack)

Python, Javascript/Node.js

Data analysis

R, KNIME, Tableau, Cognos Analytics

Databases

MongoDB, PostgreSQL, Oracle

Frameworks/Libraries

Angular, Express, Next.js, React, Flask

DevOps

Docker

ACADEMIC PROJECTS

Web Page Design

August - December 2018

Software Development by Teams

- I developed the layered back-end of a RESTful web page using Java Enterprise Edition and JAX-RS.
- I designed the front end of a web page using the Angular 6 framework and HTML.
- I worked in a team using agile programming methodologies such as Scrum.
- I used SonarQube as a code quality assessment platform.
- I used Jenkins to design a continuous integration application.

DCloud Application Design

January - May 2019

Software Architecture

- I worked on the design of a high availability POS application using Python, Flask and Amazon Services (AWS) for its deployment.
- I worked with relational databases (PostgreSQL) and document databases (MongoDB in Mongo Atlas).
- I designed a web application with Kotlin and Spark.

Multi-platform application design

August - December 2019

Product Design and Innovation in IT

- I worked as a team for the development of the frontend of an application based on the Ionic framework.
- I designed the logical and persistent text back of the application using PostgreSQL, Python and Flask.

Web application design

January - May 2020

Programming with web technologies

- I designed numerous applications using the React.js library, making use of functional components with hooks (16.8+).
- I participated in the development of the reactive game *Spyfall* backend and frontend using React.js, WebSockets, Node.js/Express, Next.js.

WORK EXPERIENCE

BEXTechnology S.A

Junior Web Developer

June - August 2018

December - January 2019

June - August 2020

- I participated in the design of the virtual implementation of a company's operation, using Vanilla JavaScript for the construction of dynamic web pages.
- I worked as a team with agile programming methodologies.
- I worked on the restructuring of a domain based on Angular JS.
- I worked on the development of a dynamically rendered web application based on Angular 9+ with a C# and SQL Server backend.

ACADEMICAL ACHIEVEMENTS

Merit distinction in the international IGCSE examination.

The development of the reactive game (*Spyfall*) with Next.js.