

# Sergio Botero U

Cartagena, Colombia / [contact@sbuj.co](mailto:contact@sbuj.co) / <https://www.linkedin.com/in/boterosergio>

I am a motivated engineer with experience in building and maintaining digital products and the underlying infrastructure at fast-growth companies remotely. Interested in Information security.

## Work

**Splice.com** US & Colombia (Remote), Sep 2016 - Feb 2021

**Many Roles:** API/Backend Services, First Engineer in Infrastructure and SRE, Backend Engineer.

I was the second Backend Engineer after the Series A. I started the Infrastructure team to stabilize, take control, and simplify our infrastructure in AWS.

Among the team's improvements, we replaced a Consul cluster with an AWS service to simplify development and service deployment. We defined and deployed a jump box that allowed engineers to access servers and databases. We tuned the Elasticsearch cluster critical for the business, which resulted in search responses that were ~55% faster. We generalized the use of Percona to operate zero downtime database migrations.

I am currently part of a team that is improving the content ingestion pipeline and content curation tools. I have also participated in growing the team as I have been responsible for interviewing and onboarding other members.

(AWS Services, Terraform, Ansible, Percona, Bash, Jenkins, Golang, Elasticsearch, SQL).

**Ride Inc - Backend Software Engineer.** Davis, CA (Remote), Oct 2014 - Sep 2016

I was a founding member of the Carpool Matching team responsible for integrating the core Carpool Matching Algorithms with the web application. We implemented a second-generation approach that achieved 53% more matches in half the time. I also worked on the Backend to provide a Chat-based tool to manage carpools.

(Ruby, Golang, Elixir, and Javascript, AMQP, Postgres, Docker, docker-compose).

**Universidad EAFIT - Python Developer.** Medellín Colombia, Mar 2013 - Jun 2014

I was responsible for maintaining a Python library of spatially constrained clustering algorithms used in Regional Science research.

I assisted the researchers with optimizations and adapted the library's execution to make use of the University "Supercomputer." The improvements got results in about 5 hours as opposed to 3-4 days.

(Python 2.x, Caching, Numpy, Matplotlib, QGIS Plugin.)

**Universidad EAFIT - Research Assistant.** Cambridge, MA, Oct 2012 - Jan 2013

I was a developer on a project to integrate many Remote Laboratory Systems (e.g., iLabs, Deusto) in different Learning Management Systems (e.g., Blackboard, Moodle.).

(Python 2.x, Flask, SQLAlchemy, SCORM.)

**Universidad EAFIT - Research Assistant.** Medellín Colombia, Jan 2011 - Jul 2012

I worked on the installation and application support of the first "Supercomputer" of the University (Bash scripting, Linux Sysadmin).

## **Other Experience**

**iOS Development:** 39 Inc in 2012. App development in Objective-C with web API definition.

## **Certifications**

**Stanford University School of Engineering, Apr 2021**

Stanford Advanced Cybersecurity Certificate

## **Education**

**Universidad EAFIT, Medellín Colombia, Jan 2007 - Jun 2012**

Bachelor's Degree, Ingeniería de Sistemas