Sergio Botero U

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

Work

Splice.com US & Colombia (Remote), Sep 2016 - Present
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.

Education
Universidad EAFIT, Medellín Colombia, Jan 2007 - Jun 2012
Bachelor's Degree, Ingeniería de Sistemas