

Sergio Botero U

contact@sbuj.co | <https://www.linkedin.com/in/boterosergio>

WORK EXPERIENCE

Swiss Re

Cyber Defense Software Engineer

February 2023 - Present

- Developing internal tooling to support the response to security alerts.

Recharge Payments

Backend Software Engineer

November 2021 – November 2022

- Developed and enhanced API and backend services for the Bundles product team.
- Migrated an external service and achieved 100% feature parity within Recharge's infrastructure and API.

Technical Consulting

Software Development Consultant

March 2021 – November 2021

- Analyzed and supported clients ideas at various stages of service and product development.
- Integrated OpenTelemetry collectors into a ~10 microservices architecture for consolidated monitoring.
- Guided a proof-of-concept for a Shopify application using an AWS serverless stack.
- Designed and implemented a feature for asynchronous workloads using AWS serverless services to allow customers perform self service for the 2 most consuming support tasks.

Splice.com

Backend Engineer, Infrastructure

September 2016 – February 2021

- Second Backend Engineer post-Series A. Later started the Infrastructure team and took ownership of the Terraform and Ansible setup for Infrastructure as code best practices.
- Simplified infrastructure with AWS services, improved service deployment, and reduced search response times by 55% via Elasticsearch tuning.
- Provided SQL query optimization and performed zero-downtime database migrations for the larger 1T+ tables with Percona.
- Collaborated in the design and early implementation of the content ingestion pipeline and content curation tool with AWS serverless services and Golang. Reduce repetitive work for 2 teams.

Ride Inc

Backend Software Engineer

October 2014 – September 2016

- Joined the Carpool Matching team to integrate clustering algorithms with the Ruby on Rails web app.
- Achieved 53% more matches in half the time with second-generation algorithms.
- Collaborated with the backend creation of the chat-based app for managing carpools using the Elixir programming language.

Universidad EAFIT

Python Developer

March 2013 – June 2014

- Maintained and optimized a Python library for 11 spatially constrained clustering algorithms.
- Improved execution time from 3-4 days to 5 hours using the university's supercomputer.

Research Assistant

October 2012 – January 2013

- Developed the Integration of Remote Laboratory Systems with Learning Management Systems to support scientific publications. Python's Flask application to support the SCORM specifications.

Research Assistant

January 2011 – July 2012

- Supported installation and operation of the university's first supercomputer, introducing Bash scripts to automate daily maintenance tasks on 600+ Linux servers.

OTHER EXPERIENCE

- iOS Development: Developed applications in Objective-C with web API integration for 39 Inc, 2012.

PROFESSIONAL DEVELOPMENT

- Stanford University School of Engineering: Stanford Advanced Cybersecurity Certificate, April 2021.

EDUCATION

Universidad EAFIT, Medellín, Colombia: Bachelor's Degree in Systems Engineering, January 2007 – June 2012.