

SIMÓN ESCOBAR BENITEZ

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EDUCATION

Universidad EAFIT (Medellín, Colombia) Software Engineer

WORK HISTORY - 7 YEARS OF EXP

Expedition (San Francisco/Remote) (2017-2, 2018-2)

Software Engineer

- Part of 3 people team for the back-end and front-end.
- Worked on implementing the first version of Expedition with Elixir, Phoenix Postgresql in the back-end and EmberJS in the front-end.
- Design the RFC for a place scraper and aggregator system and developed it using background jobs and GenStage for background processing, place aggregation and persistence into the DB.
- Designed the RFC for the payment system integration with Stripe managing subscriptions and developed it using finite state machines for managing idempotency and state management.
- Developed a simple search system using postgresql fuzzy searching and full text searching.

Elizabeth & Clarke (New York/Remote) (2015-2, 2017-2)

Software Engineer

- **Elizabeth & Clarke** is an on-line subscription based fashion store
- Part of 2 people team for the back-end and front-end.
- Worked on implementing the second version of Elizabeth & Clarke with NodeJS and MongoDB in the back-end and EmberJS in the front-end and stripe as out payment gateway.
- Designed and developed the architecture of the second version of Elizabeth & Clarke.
- Designed and developed the behavioral state machine that controls all our operations including order state management, subscription and billing management and customer management.
- Designed and developed (Dollarico) an internal automation tool to automate the process of delivering new seasons through time, so we can run a year in 1 day including product releases, payments, reports and more.

Make it Real (Medellín) (2017-1, 2017-1)

Teacher

- **Make it Real** is a Full-Stack bootcamp
- Taught about Ruby, OOP with Ruby, Sinatra, Rails, Databases, SQL and JavaScript

Talos Digital (Medellín Colombia) (2014-2, 2015-1)

Software Engineer

- **Convenience Select:** The project was about Team management and Loan service for kid's sport teams. The teams were able to outsource all the payment and e-commerce services through the application.
- Full-stack Developer using MEAN framework (MongoDB, ExpressJS, AngularJS and NodeJS).
- Developed all client side logic and interactions using AngularJS.
- Developed a Loan service and Payment Gateway Adapter.
- Developed a cron based services for charging users.
- **Scather:** The project was about building mobile web sites and native applications dynamically and easily for non-dev customers.
- Full-stack Developer using Firebase, AngularJS and NodeJS
- Developed all business logic in AngularJS using Firebase as a web service which is a realtime nosql database.
- Developed a NodeJS proxy for all our integration with our Payment Gateway including webhooks. Also this proxy serves all our integration with Urban Airship for all our notifications to mobile devices.
- Built the production environment in AWS EC2.

Universidad EAFIT (Medellín Colombia) High Performance Computing Research Center APOLO (2014-1, 2014-2)

Research assistant

- Research Assistant in High performance computing based on Open Source technologies
- Operative System: we work on "Rocks Cluster" based on CentOS 6.1
- As a System Administrator I was in charge of job submission queues using torque and maui as a scheduler, compilation and installation of large and modular software.
- Built Sys-Admin tools with Ruby, Python and Bash Script.

Universidad EAFIT (Medellín Colombia) (2014-2)

Teacher Assistant

- Integration Project 2
- Assist students on Web Application Development, Continuous Integration, Continuous Delivery and TDD.

Universidad EAFIT (Medellín Colombia) (2013-2, 2014-2)

Teacher Assistant

- Integration Project 1
- Assist students on Android Application Development, Web Services and 3rd party integrations.

SmartOut (Half Time - Remote) (2013-1, 2014-1)

Software Engineer

- Developed a **Ruby on Rails - PostgreSQL - EmberJS** application for local Start-Up
- It was a coupon/discount recommender system who deliver coupons and discounts directly to user through Google Cloud Messaging and Apple Push Notification Service improving the Customer - User relationship.

Freelance (Remote) Liliane Fonds Ong (2013-2, 2014-1)

Software Engineer

- Migrate a **Ruby on Rails 2** application to **Ruby on Rails 3**
- Developed new features and improve performance.

Universidad EAFIT (Medellín Colombia) / ARTICA (Applied ICT Regional Alliance) (2012-1, 2012-2)

Research assistant in IPTV

- Java Android Software Developer
- Interactive Android TV controls based on Accelerometers, Gestures, Buttons, Voice, and Multimedia (the last one was developed by testing the best capabilities of the other ones based on their usability) **Java Android**

OPEN SOURCE

All projects and current work can be found at my GitHub profile: <https://github.com/sescobb27>

- Forked and Maintain node's JSON:API serializer which is used in Elizabeth & Clarke's back-end <https://github.com/sescobb27/node-jsonapi-serializer>
- Contributed to https://github.com/DavyJonesLocker/postgres_ext
- Contributed to <https://github.com/ffaker/ffaker>
- Contributed to <https://github.com/phalcon/cphalcon>
- Contributed to https://github.com/vt-elixir/ja_serializer
- Contributed to <https://github.com/swoosh/swoosh>
- more ...

SKILLS

- Proficient architecting systems via RFCs
- Proficient in Elixir, Ruby, Ruby on Rails, JavaScript, NodeJS, EmberJS, Test Driven Development.
- Familiar with Golang.
- Familiar with GNU/Linux.
- Familiar with GIT.
- Familiar with DDD.
- Familiar with PostgreSQL.

LANGUAGES

- Spanish - Native Language
- English - Proficient

EXTRAS

- Ex-organizer of **Golang Medellín** Meet-Up
- Organizer of **RubyConf Colombia**
- Organizer of **RailsGirls Medellín**
- RAFT Consensus algorithm talk **Papers We Love Medellín** <https://github.com/papers-we-love/medellin/pull/4>
- Conquering the web with Go **Golang Medellín Meet-Up** talk <https://github.com/sescobb27/go-web-apps>
- Asynchronous and Parallel behavior with Go **Golang Medellín Meet-Up** talk <https://github.com/sescobb27/async-go>
- **Ruby and Ruby on Rails free course** on Eafit University on how to get from basic to be a proficient Ruby developer; teaching Blocks Procs and Lambdas, inheritance, Object Oriented Design, Runtime evaluation, Modules, Test Driven Development (TDD), Dependency Injection and more. Introduction on how to setup a Ruby on Rails project, Perfect Flow, Rails layers and how to develop and understand each layer. 2013 - 2 <https://github.com/sescobb27/CursoRubyRoR>
- Article on how to build a TCP Chat using ruby. <http://www.sitepoint.com/ruby-tcp-chat/>

PERSONAL REFERENCES

- Juan Pablo Buritica **CTO at Elizabeth & Clarke** and **VP of Engineering at Splice** Twitter @buritica
- Sebastian Arcila Valenzuela **Architecture Director at Barista Ventures** Twitter @sarcilav