

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

- **Expedition** is a service for connecting pockets of people and digging down deep into emerging markets in cities that are rising up, recognizing the people pushing things forward, telling their stories and connecting those stories to actionable things.
- Joined as second technical hire, reporting to the CTO.
- 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.
- Designed and developed a place scraper and aggregator system using background jobs with GenStage for background processing, place aggregation and persistence into the DB.
- Designed and developed 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 for finding places by current location or by name using postgresql fuzzy searching, full text searching and haversine formula for coordinates comparison.

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

Lead Software Engineer

- **Elizabeth & Clarke** is an on-line subscription based fashion store
- Joined as first technical hire, reporting to the CTO and Founder.
- Worked on implementing the second version of Elizabeth & Clarke with NodeJS and MongoDB in the back-end and EmberJS in the front-end with stripe as out payment gateway.
- Defined initial server and web architecture which was continuously iterated on without the need for re-architectures or major re-writes.
- Responsible for web and server platform architecture and infrastructure.
- Mentor and train the second technical hire in platform architecture, infrastructure and back-end development.
- Designed and developed the behavioral state machine that controls all our operations including order state management, subscriptions, 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.
- Reported to the CTO and Founder.

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 AND COMMUNITY CONTRIBUTIONS

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

- Organizer of **RubyConf Colombia**
- Organizer of **RailsGirls Medellín**
- Ex-organizer of **Golang Medellín** Meet-Up
- 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

- RAFT Consensus algorithm talk **Papers We Love Medellín** <https://github.com/papers-we-love/medellin/pull/4>
- Asynchronous and Parallel behavior with Go **Golang Medellín Meet-Up** talk <https://github.com/sescobb27/async-go>
- 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