SEBASTIÁN ARCILA VALENZUELA

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SUMMARY

Ruby on Rails and Clojure Developer, QA Engineer, Algorithms and Data Structure designer in a wide variety of projects. Focus in back-end web development, Test Driven Development and challenging projects that need a lot of data structures and algorithms

EXPERIENCE

Barista Ventures (Dallas/Fort Worth Area - Medellin, Colombia) (February 2016 - Current)
Director of Architecture and Algorithms

- Skills: Clojure, Datomic, RabbitMQ, Redis, Rackspace, Mongo, Node.js, Search Algorithms, Incanter, R, Datamining

Barista Ventures (Medellin, Colombia) (March 2015 - February 2016)
Algorithms and Backend Developer

- As Barista I've built a social network backend, to support over 10 Millions users, sharing content, and handling a multi-level graph to know the deep of the connections, and how the interactions affect the behavior and actions of the users. And some of my side projects include an API, to interact between Distributed Databases and mobile apps and a toolset to audit a payments/order/dispatch system.
- Skills: Clojure, Datomic, RabbitMQ, Cassandra, TitanDB, Redis, ElasticSearch, AWS, MySQL, Postgres, Node.js.

Contractor (Remote) (January 2014 - March 2015)
Software Developer

- As contractor I setted up multiple projects using Ruby and Clojure on AWS, using map reduce technologies to improve and return real time analytics.
- Skills: AWS (EC2, Beanstalk, Loadbalancer, RDS, ElasticCache, VPC), Ruby, Sinatra, Rails, Postgres, Postgis, Redis, Cassandra, MySQL, Rubymotion, Hadoop, Clojure, RabbitMQ

Self-Employed (Remote) (December 2013 - April 2014)
Consultant

- Migrate a high traffic site from heroku to softlayer, Develop an API integration between a legacy Single Sign On system running on JOSSO with a new rails application and Create a rubymotion App with geolocation, facebook connection and twitter
- Skills: Java, JOSSO, Rails, Rubymotion

Staunchs Robots (Remote) (July 2013 - November 2013)
Software Engineer

- Work for a different sort of clients, using ruby on rails, pivotaltracker, github and agile methodologies.
- Skills: AWS (EC2, Beanstalk, Loadbalancer, RDS, ElasticCache, VPC), Ruby, Sinatra, Rails, Postgres, Postgis, Redis

Authy Inc. (Bogotá, Colombia) (April 2013 - July 2013)
Software Engineer

- While working for Authy, one of the latin american's YC companies, I started off by building an OpenVPN plugin that use Authy's API to authenticate users using the Authy mobile app. During my time here, I introduced some features and endpoints for the API, and new integrations like the one that let use Twilio to get an OTP token by phone call. And as a side project I built an assets generator for mobile devices using Ruby, C and ImageMagick
- Skills: C/C++, GDB, Security, Ruby, Sinatra, MongoDB, OpenVPN, ImageMagick

Universidad EAFIT (Medellín, Colombia)
Visiting Scientist at C.E.C.I. Laboratory at MIT (Boston, MA) (October 2012 - March 2013)
Programmer iLab LabServer Project

- Work on a project to rewrite the LabServer interface between LabView and the arquitecture of iLabs MIT
- Skills: .Net, Windows, IronRuby

weheartit.com (San Francisco Bay Area - Remote) (January 2012 - February 2013)
Ruby on Rails developer

- As one of the first remote engineers of WHI, I was part of the first efforts of building an antispam solution for this massive app (40 million users), building a recommendation engine using Mahout and helping the product and marketing team to gather insights of the use of the app.
- Skills: Ruby on Rails, Antispam, Impermium, Mahout, MySQL, Redis

StackBuilders (Remote) (February 2012 - June 2012)
Ruby on Rails developer
- I was part of this consultancy firm, and as a consultant I helped different startups building new features using Ruby on Rails, designing architectures to be flexible and easy to scale.
- Skills: Ruby on Rails, Redis, Postgres, Postgis, Heroku, Javascript, Heroku

Art.sy (New York, New York - Remote) (January 2011 - August 2011)
Ruby on Rails lead developer and Quality Assurance Engineer
- I was part of the process of creating the first ruby on rails application for the company, on the process of migrating the PHP app to a rails app, that included the migration of the SQL db to mongo, introducing the bases of the current API, that is built using Grape, and Artsy's OAuth provider, plus helping on the develop of new features.
- * Skills: Ruby on Rails, Backbone, Git, Heroku, Grape API, MongoDB, OAuth

Ceiba Software House S.A.S (Medellín, Colombia) (October 2008- June 2010)
Developer Engineer
- Started off as one of the first in-house Ceiba Labs member. Working on a different set of challenges for the clients, from developing a Java solution mail relay to a Single sign-on power house for spring apps.
- Skills: Java, Groovy, Javascript, jQuery, JOSSO, OracleDB, GWT,

Other relevant experience (Medellín, Colombia)
Student, Developer
- Part-Time Research Assistant. Educational Computing Research at Universidad EAFIT (Medellín, Colombia). August 2009-December 2010.
- Director and Teacher. Seminar for Provider Contest at Universidad EAFIT (Medellín, Colombia). September 2007-December 2011,
- Ruby Lead Developer at Streetmavens (Remote). April 2010- December 2010.
- Ruby Developer at Hirschfactor Facebook App (Remote). November 2010 - December 2010.
- Ruby Developer at World of Wrestling (Remote). May 2010 - December 2010.

Teacher Assistant Experience

- Computer Architecture
- Numerical Methods
- Numerical Analysis

Languages

- Spanish - Native Language
- English - Good (MELICET 75)

References

Miguel A. Yáñez Barreto (Google)
Programming contest coach
- miguely@google.com

Daniel Doubrovkine (Art.sy)
Head of engineering
- dblock@dblock.org

Juan Guillermo Lalinde Pulido (Universidad EAFIT)
Professor of data structures, algorithms, data bases and operating system signatures
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Francisco Correa (Universidad EAFIT)
Professor of numerical analysis and programming paradigms
- fcorrea@eafit.edu.co - +57 301 371 41 32

Education

Universidad EAFIT (Medellín, Colombia) Software Engineering
2007-2012
(GPA): 4.4/5
Selected Coursework:

Computer Science: Computer Graphics · Programming Languages · Data Structures and Algorithms · Automata & Computation · Numerical Analysis · Databases · Operating Systems · Programming Paradigms · Computer Architecture · Compilers · Distributed Systems · Multivariable Calculus · Linear Algebra · Discrete Math · Physics · Statistics · Operations Research

Achievements

- Regional Math Olympiads, University of Antioquia, Final Phase Contestant, 2006
- National Math Week, San Marcos, Contestant, 11/2/2006
- Iberon-American Mathematics Olympiad, Contestant, 2009
- XV Contest for high school mathematics and physics , Universidad EAFIT, First place, 2006
- Colombian Math Olympiads, University of Antonio Narino, First place, 03/2006
- Colombian Math Olympiads, University of Antonio Narino, First place, 10/2006
- Intercollegiate Math Olympiads, San Marcos, First place, 2006
- First GEMIS-OE Programming Contest, Universidad EAFIT, First place, 2008
- Second GEMIS Programming Contest, Universidad EAFIT, First place, 2008
- National Programming Contest ACIS REDIS, Medellin Colombia, Sixth place, 2008
- South American Contest ACM ICPC, Universidad de los Andes, Second place, 2008
- ACM-ICPC World Finals, Stockholm Sweden, Honorable mention, 2009
- National Programming Contest ACIS REDIS, Medellin Colombia, Second place, 2009
- ”Programming Challenges”, University of Sao Paulo, Participant, 2010
- South American Contest ACM ICPC, Universidad de los Andes, Second place, 2010
- ACM-ICPC World Finals, Orlando Florida, Honarable mention, 2011
- National Programming Contest ACIS REDIS, Medellin Colombia, Universidad EAFIT Coach, 2011

Entrepreneur / Starter Projects @ Zinergia

Zinergia (Current)
Developer

- Zinergia is a small business with now a 6 people team that build web and mobile applications. Most projects are for the local fashion industry.
- You can find us on `http://zinergia.co`

Personal projects

- All projects and current work can be found at my GitHub profile `https://github.com/sarcilav/`