Jonathan Barquero

Software Engineer

San Jose
Costa Rica
(506) 8584-2192
jonbarlo@gmail.com

EXPERIENCE

+19 years, experience as a software engineer for different industries including Brand Protection (Web Scraping), ChemIndustry (Web & IoT), Mobility (Web, Mobile & IoT)

+13 years, experience using Ruby on Rails
REST/API MVC, web apps, engines, mixins, ci new relic, cloud heroku and aws, testing frameworks like Rspec and capybara, cucumber, devise, rails api, JWT, cron jobs, Resque, Sidekiq, active record (db migrations, db seeding)

+10 years, using frameworks like AngularJS (versions 1 up to 4), ReactJS and NodeJS
Experienced working with modern libraries and patterns, scaffolding tools, dependency managers, package managers, etc
Have AngularJS(directives, routing, promises, sanitize, services) AngularJS 2 and AngularJS 4 experience (components, guards, services, etc), ReactJS/Redux/Sagas, ReactNative

+7 years experience using hybrid mobile frameworks like Cordova, Phonegap, SenchaTouch, Xamarin, Ionic and ReactNative
Have developed different mobile apps using hybrid technologies based on javascript the most

+19 years, experience using other scripting languages like php, perl, bin/bash
Vanilla php, laravel, yii1, yii2, ruby, python

+4 years, experience using native mobile languages such as Objective-C, Swift and Android
Have developed different mobile apps using native technologies based on native languages

+19 years, experience working with relational databases like oracle, SQLServer, MySQL, Postgres, MariaDB
Have experience working with DDL PL/SQL scripts, database seeding, database migrations

+2 years, experience working with non-SQL databases like redis, mongoDB, rabbitMQ

+10 years, experience using compiled languages like C# .NET and Java
.NET experience with web forms and MVC, entity framework, windows authentication, razor
Java experience with torque, ant, eclipse, JUnit, hibernate, JSF, Jenkins build

SKILLS

Bachelor degree with emphasis in software development. Have vast experience working with web and mobile apps, REST, cloud, MVC, MVVM, SPA, Agile, TDD, CI, Docker, Async, AWS

AWARDS

+8K Stackoverflow reputation

WHO's Hackathon 3rd place (San Jose, Costa Rica)

NASA Hackathon 1rd place (Auckland, New Zealand)

LANGUAGES

English, Spanish, Portuguese

PROGRAMMING LANGUAGES

Javascript, Typescript, ReactJS, NodeJS, Ruby on Rails, Objective-C, Swift, Android, Java, C#, Python

PROJECTS

CounterFind — 1 December 2018 - *Present*

CounterFind is turnkey technology combining a proprietary filtering formula with industry expertise to recognize, report, and remove all ads marketing counterfeit merchandise on Facebook and all counterfeit product listings on Amazon and many other websites like Ebay, Etsy, Redbubble, Walmart among others.

Asynchronous jobs for scraping websites and parsing information, high volume processing.
https://www.counterfind.com

Legacy **RoR Web App:** ruby on rails web app, hosted at AWS EC2 instance, plus Jenkins scheduling bin.bash orchestrators, NodeJS AWS/Lambda API for taking screenshots, Go-Lang API for scraping IG, third party ScrapingHUB, Chartio.

New NodeJS + Svelte App: NodeJS, MariaDB, Redis, Docker, Bull MQ.
Methodology: Agile using JIRA

Technologies used: ruby on rails, AWS EC2, AWS RDS/Postgres, AWS Lambda, AWS ECS, S3, Rake, Active Record, db migrations/seeding, multiple environments (production, staging, qa), git repos, circle ci automated builds, Sidekiq, interactors, Rspec, capybara, factoryboot, capistrano, puma, nginx, jenkins, bin/bash scripts orchestrators, scheduled rails jobs for scraping, nokogiri + chromium for automated infringement reports.

Dealerware — *3 years*

Fullstack software engineer for web apps and mobile apps, this was for a mobility app in charge of tracking dealership's vehicles via GPS, also grabbed information like fuel level to settle balances automatically as well as keeping track of driven miles with accuracy, geofencing.

ReactJS, AngularJS, Ruby on Rails, Flutter, Docker, Kubenetes, Circle CI, GraphQL, Lambda, S3, Terraform, DynamoDB, MySQL.

Website: https://www.dealerware.com/

iOS app: https://apps.apple.com/us/app/dealerware/id1168703299

Android app: https://play.google.com/store/apps/details?id=com.silvercar.dealerware&hl=en&pli=1

Fitbark — *1 year*

Ftbark is a company that created a device for tracking pets via GPS, sensors and metrics are kept to show pet owners where their pet is located and also other health related information. This platform helps users to understand, their pet's health habits including sleep patterns, heartbeat, HRV adding artificial intelligence,cognitive computing and machine learning using tensorflow

Stack: ReactNative, ReactJS, NodeJS, Ruby on Rails, MySQL, Nginx, Apache, AWS/EC2, AWS/Auto-Scaling Groups, TCP/IP, HEX serialization, AWS SQS.

Website: https://www.fitbark.com/

FiNC — *1 year*

FiNC is a digital healthcare company with an emphasis on creating timely, actionable and personalized recommendations to help individuals reach their health goals. Leveraging technology and research, FiNC provides a platform for users to understand, manage and improve their health. (artificial intelligence, wellness, cognitive computing, machine learning, and corporate wellness)

Software Engineer: In charge of the development of new features for the diet coach project,
Diet Coach Project: Ruby on rails backend system for handling interaction between customers and professionals in this case diet coaches, nutritionists, personal trainers and their clients. This was the backend system of a mobile app, i had to develop notifications and alerts for keeping track of meals posts and chat messages.
FiNC Chatt: ReactJSweb app for handling chat between customers and professionals, had to add and parse statuses, alerts so the chat was interactive, e.g.: browser push notifications badges etc
Technologies used: ruby on rails, memcached, redis, RSPEC, CircleCI, Jenkins, MySQL, Rake, Active Record, db migrations/seeding, multiple environments (production, staging, development), Github, REST/API, Grape, .ReactJS, javascript, API, redis, MySQL, rake, active record, rails, react-boilerplate

- Add new features to several different systems using Ruby on Rails
- Writing unit tests using Rspec and Capybara
- Update mobile native apps to have latests/new endpoints from API use/update payloads on them
- Add new features to FiNC chat web app using ReactJS (boilerplate)

Website: https://onlineworks.finc.com
Android:https://play.google.com/store/apps/details?id=jp.co.fincapp&referrer=af_tranid%3D KyB8wdIShyZ3I4ZKUMuU9g%26pid%3Dtft_gift_walk%26c%3D2017_1_23

iOS:https://itunes.apple.com/JP/app/id965626396?mt=8

AMZ Lenders — *3 months*

Amazon seller's funding online service: using third party systems such as amazon seller central API as well as bank account interaction using Plaid API. Will pull info from the market place and from the bank account related to that market and perform N services, background and business processes. Provides multiple views for customers, and sales representatives as well as admins.
https://www.amzlenders.com

Full Stack Software Engineer: Development, deployment.
RoR Web App: ruby on rails web app, hosted at AWS EC2 instance.
Methodology: Agile using Craft as a control tool.

Technologies used: ruby on rails, AWS EC2, Postgres, Rake, Active Record, db migrations/seeding, multiple environments (production, staging, development), git repos, active cable, Sidekiq, interactors, Rspec, capybara, cucumber, factoryboot, capistrano, puma, nginx.

- - Migrate existing architecture of the system / devOps VPS servers regain access
- - Add new features from backlog
- - Migrate legacy database core information
- - Install new staging/production environments using AWS

- - AWS EC2 instances setup (AMI, Puma, NGinx, Rails) for staging/prod
- - AWS S3 bucket setup (dragonfly)
- - AWS Route53 Networking setup DNS records, A Records, CName
- - Setup SSL certificates

Resmetrics Startup — *10 months*

A startup in the oil field, they offer services related with tracing phases, stages and fluids in general while extracting oil from project/customer wells. Handles operations, sales and admin users website.

Full Stack Software Engineer: Design, development, deployment.

REST/API: PHP web api, hosted on AWS EC2 instance.

Technologies used: ruby on rails, AWS EC2, MySQL, Rake, Active Record, db migrations/seeding, multiple environments (production, staging, development), git repos, REST/API, JWT, Angular4, Rspec, capybara, cucumber, factory-girl, capistrano, unicorn, puma, passenger.

- Design architecture of the system and devOps VPS servers.
- Create and add new features to an REST/API using Ruby on Rails and JWT.
- Create and add new features to web app using AngularJS 4
- Create and update databases in different environments.
- Using postgres and EC2 AWS instances.

DevDigital — *1 year 11 months*

DevDigital offers creative, high quality website design, web development, database and software application development, e-commerce solutions, corporate branding, maintenance services, CMS - content management, SEO - search engine optimization, Social Media Marketing and Digital Marketing, iPhone, iPad, Android apps and web-based business applications geared towards businesses of all sizes. DevDigital is based in Nashville but provides web solutions to clients throughout the world.

Lead/Software Arch:In charge of documenting, planning, designing, coding, and deploying (including DEVOPS) to different working environments (dev, test, staging and prod) also managing team members to successfully deliver features/releases/improvements on the system.

Bitcoin payment gateway: Ruby on rails REST/API in sync with BTC server thru JSON RPC calls, rails web app for handling user/customer accounts, transactions, statutes etc, cold wallet and hot wallet.

Technologies used: Linux (CentOS), TDD, python, django, ruby, sinatra/rails, Rspec, capybara, cucumber, factory-girl, devise, SSL, RSA, HTTPS, bin/bash, ssh, cron jobs, Resque, scheduled jobs, capistrano, unicorn, puma, passenger, svn, git, CI, jenkins, selenium, bitcoin server, PL/SQL, REST web services, web api, angularJS, jquery, bootstrap, SASS, CSS, VPN, Windows Server 2008, RDP, apache, nginx, MySQL/MariaDB, postgres, PHP, Yii and Laravel, PHPUnit, nodeJS, bower, grunt, yeoman, boilerplate, karma-jasmine, coffe-script, SASS.

- Setup BTC linux server
- DevOps for web server to host rails REST API and web apps
- Create ruby on rails REST API project that sync with BTC server (hot wallet and cold wallet)
- Create web app for admin users, reporting and tracking transactions (laravel php)
- Migrating existing Yii/PHP system to laravel/PHP
- Estimate and assign work for the team, and be in charge of the code review process.

MiSale Startup — *6 months*

MiSale is an Australian startup with a website that provides selling your home with ease providing interfaces for approving listings, users, real estate agents, photographers, writers copy, and some other services like offering for houses and arranging open homes and signing home documents.
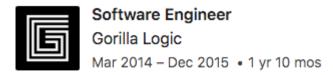
https://misale.com

Software Engineer: In charge of the development REST API and front-end web-app

REST/API: backend system.

Web App: this is what customers, admins and agents use for their tasks.

Technologies used: mongodb, AngularJS web app, ruby on rails web api, https/ssl, smtp, sms text notifications, AWS/S3 bucket, mvc, ci, git, staging/production, heroku, postgres

- Created ruby on rails api, angularJS web app with auth/devise
- Write unit testing with Rspec
- Created/worked with git repos and heroku deployment, making new builds for web app also
- Migrated mongoDB to postgres
- Created staging and production env

Software Engineer
Gorilla Logic
Mar 2014 – Dec 2015 • 1 yr 10 mos

Software Developer: Java, Cordova, Objective-C, Android

Monkey Talk Mobile Developer

Santa Clara County Software Developer

https://gorillalogic.com/

Freelance Software Engineer
CareerBuilder.com
Jul 2013 – Jun 2014 · 1 yr

Full Stack Software Engineer for CareerBuilder:

Stack: Ruby on Rails, Capistrano, Rspec, Capybara, New Relic, Jenkins

Websites:
https://www.workinretail.com/
https://www.sologig.com/
https://www.moneyjobs.com/
https://www.miracleworkers.com/
https://www.militarytimes.com/
https://www.headhunter.com/
https://www.careerrookie.com/

Senior Software Engineer
Accenture
Mar 2012 – Jun 2013 • 1 yr 4 mos
Costa Rica

Senior Software Developer:.NET, Cordova
Vehicle inspection website
https://www.toyota.com/
http://www.mazda.com/
https://www.ally.com/
https://www.gm.com/

Mobile Developer: Cordova
https://www.dixie.com/

Software Engineer
EX2 Outcoding
Sep 2008 – Mar 2012 • 3 yrs 7 mos
Costa Rica

Customer Presales Developer: C++, XML, ASP.NET, C#.NET , Java
IoT Robotic Arm interacting with Carousel System, Inventory management tool for chemical substances

https://www.dana-farber.org/

http://www.cambridgesoft.com/

http://www.perkinelmer.com/

Freelance Support Developer
KiSP
Aug 2006 – May 2009 • 2 yrs 10 mos

Support Developer: .NET
Assessment management software: ASP.NET, C#.NET, SQLServer/Oracle, WebForms, Factories

http://kisp.com/

Education

ULACIT

Bachelor's degree, Computer Science with Software Development Emphasis **2006-2008**

Universidad Latina de Costa Rica

Software Engineering, Computer Science **2003-2006**

UNED

Human Studies Core Courses: History, Literature, Philosophy, Ethics, Visual Arts, Musicology. **2002-2003**