

# Igor Guerrero

Software Engineer

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## EXPERIENCE

### **HODL Wallet, Miami FL — Sr. Software Engineer**

Feb 2018 - Jul 2022

An open source Bitcoin digital wallet, we developed a more user friendly Bitcoin-only cryptocurrency wallet.

HODL is a entirely decentralized, most of the security comes from client work, we followed Bitcoin standards, BIP32, BIP39, BIP141 to develop our own light client, we were extremely careful to not leak and know any information from our users, our users are their own bank, thus we have no way to access their personal data.

HODL currently has ~30K customers, the amount of Bitcoin we help secure is private and unknown to us.

The app is available on both iOS and Android, we built a core library in C, the apps themselves are native apps written in Swift for iOS and Java on Android, the new version is being developed in C# with Xamarin and includes a core library to do low level Bitcoin programming developed entirely by myself:

<https://hodlwallet.com>

<https://github.com/hodlwallet>

### **Bitstop, Miami, FL — Sr Software Engineer**

Feb 2018 - Jul 2022

One of the leaders in the Bitcoin ATM space, I'm responsible for the day to day technical operations of Bitstop, that includes programming, security, managing the team and hiring new talent.

Helped secure ~60K customers personal and financial information, ~\$1.2m USD in our nodes at any time, ~\$150k at any time in our machines.

At Bitstop we built a microservices infrastructure. I've been in charge of the Bitcoin price, billing and the KYC microservice, and some of the front end in VueJS and React.

<https://bitstop.co>

## SKILLS

Programming in Python, Ruby, C#, C/C++, Java, Rust, Nim, Haskell and many more

Bitcoin and other cryptocurrencies

AI and machine learning

Management of development teams

Software Architecture

UI/UX, designing for web and mobile

## AWARDS

**Google Summer of Code 2008**  
participant Worked at Google to fix some issues in open source projects for the Mono project specifically implementing a C# version of Git.

**Arctic Code Vault Contributor**  
Contributed code to several repositories in the 2020 GitHub Archive Program

## LANGUAGES

English, Spanish

## **Octopi, Miami FL — Software Engineer**

May 2017 - Feb 2018

As a Engineer #1 My job was to develop and architect port (maritime) software to manage vessel's cargo and port's gate operations.

We built a Ruby application to manage cargo locations in the vessel, a process called Vessel Planning. We made this process entirely automatic and developed software to position cargo in the right place.

Octopi was acquired by Navi, one of the biggest ship terminal operations software companies in the world.

<https://octopi.co>

## **LifeWallet, Miami FL — Sr Software Engineer**

May 2016 - Feb 2017

We created a backend in Ruby for our ML based health recommendations and health tracking software following HIPAA compliance to securely store customer health care documents and data.

LifeWallet was implemented in Miami Baptist Hospital and it's in use to this day, and has won multiple awards regarding its security and ease of use.

<https://www.lifewallet.com>

## **BrightGauge, Miami FL — Sr Software Engineer**

Feb 2014 - Dec 2016

We created BrightGauge's client reporting software, in Python using Django with Cassandra for storage and querying data, oftentimes also fixing Angular code and implementing the results.

My job was to help with programming of these features and help the team that needed Python and JavaScript training.

<https://www.brightgauge.com/>

## **1Sale, Miami FL — Sr Software Engineer**

May 2013 - Feb 2014

Maintaining Ruby PCI compliant software in a daily sale website at massive scale, I also wrote new features all the time and managed, hired and trained new talent.

1Sale had ~1m users and we helped secure around \$160m in yearly revenue.

<https://www.1sale.com>

## **Senzari, Miami FL — Software Engineer**

Mar 2010 - May 2013

Senzari was a music startup. As a software engineer I was part of the team that built their music recommendation engine. It was a Python / Django app, with its API, using PostgreSQL as an operational database. Our job

was to take designs and ideas and turn them into the product, a web based single page application.

We had a partnership with MTV Spain which for a while they'd show our radio stations on their website, via a JavaScript code our site was able to be embedded into other sites.

<https://www.crunchbase.com/organization/senzari>

## **Frequent, Miami FL — Cofounder, Software Engineer**

Feb 2010 - May 2012

Frequent helped restaurants manage their loyalty programs with their customers, I was in charge of all development, hiring and management of the company. We were acquired by YCombinator's FiveStars in 2012.

It was developed in Python with Django, I was in charge of everything from design to implementation. We had ~50 restaurants signed up in the local Miami area.

<https://www.fivestars.com>

## **EDUCATION**

### **Universidad Centroamericana, Managua Nicaragua — Computer Science**

Jan 2004 - Jan 2006

## **PROJECTS**

### **Open Source Developer**

I have numerous open source projects from development tools to applications, more information here: <https://github.com/igorgue>

My Personal website has presentations and projects I've worked on:

<http://igorgue.com>