# Igor Guerrero

Software Engineer

4704 NW 195th St
Miami Gardens, FL 33055
**(786) 499-3785**
**igorgue@protonmail.com**

## EXPERIENCE

### HODL Wallet, Miami FL — Cofounder, *CTO, Software Engineer*

Feb 2018 - Jul 2022

An open source Bitcoin digital wallet, we developed a more user friendly Bitcoin-only cryptocurrency wallet. I handle programming, design, management and hiring.

HODL is a entirely decentralized, most of the security comes from client work, we followed Bitcoin standards, BIP32, BIP39, BIP141 to encrypt and secure users data, 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:

https://hodlwallet.com

https://github.com/hodlwallet

### Bitstop, Miami, FL — *CTO, 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, but my hands were all over the code even in the JavaScript VueJS app which is what the machines run.

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 algorithms 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 — *VP of Engineering*

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.

Implementing HIPAA compliance required a secured system, all our customer data was encrypted via AES 256 and bcrypt for one way encryption, data access would have to be requested via an ACL and approved by the customer via a secured mobile app distributed and signed with a company public key to our custom AppStore outside of the public AppStore.

Implemented monitoring and security measures using software monitoring tools using Statsd which all our users have access to, it was important to be transparent about intrusions in the case there was any.

Pentested and stress tested our system foreseeing the load the eventual hospital that hire use would have. 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

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

May 2012 - Feb 2016

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.

I helped fix massive issues, user's credit card information that was previously unencrypted was encrypted with AES 256, and also deleted any copies of said data around our organization.

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

https://www.1sale.com

### Freqent, Miami FL — *Cofounder, CTO, Software Engineer*

Feb 2010 - May 2012

Freqent 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 at one point 35 restaurants signed up in the local Miami area.

[https://www.fivestars.com](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](https://github.com/igorgue)

My Personal website has presentations and projects I've worked on: [http://igorgue.com](http://igorgue.com)