

# Abraham Toledo

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## PROFILE

Experienced Software Engineer and Architect with good attention and care to details and over 10 years in the industry. Loves to take on new challenges and passionate about all the different process of product creation. Believer of learning by doing and using the best tools for the job, even if it means learning to use a new one.

Skilled in Mobile Apps development both native and hybrid, Python, APIs, both Angular and React and many other stacks and tools.

## MOST RELEVANT WORK EXPERIENCE

### Tech lead BOTS

10/2022 - 04/2023 HAARLEM, NETHERLANDS

As the tech lead for the business operations infrastructure team, I'm responsible for guiding the team towards achieving the common goals of the organization, by pursuing the best architectural, coding and design patterns. Communication with other teams, and non technical stake holders is essential. Therefor, I also act as a bridge making sure business requirements are properly and efficiently translated into technical roadmaps for implementation.

**Stack:** Angular, Typescript, Flask, MongoDB, Redis, Docker

### Sr. Full stack developer BOTS

03/2022 - 09/2022 HAARLEM, NETHERLANDS

Together with my team, we were responsible for developing and maintaining the infrastructure for business operations across the company. After a couple months since joining the company, I was assigned to implement a very important feature for managing premium services and collecting fees. I was able to use pay.nl API to get required information about the transactions. The mentioned feature became an important source of revenue for the company.

**Stack:** Angular, Typescript, Flask, MongoDB, Redis, Docker

### Co-founder and Lead Sr. Engineer EOS Code

08/2020 - 09/2021 REMOTE

Co-founded an IT consultancy agency that provided remote developer teams to handle part or entire projects for other organizations. Led a team in the creation of several Mobile apps and integrations between the ODOO and platforms like Shopify and Google Cloud Services. As the most experienced developer, I provided guidance on good practices and project coordination. We were able to scale from just 3 developers to a team of around 10 and multiple clients the first year, learning a lot in the process.

**Stack:** Angular, React, Ionic, Typescript, Flask, ExpressJS, MongoDB, PostgreSQL, ODOO.

### Sr. Mobile developer Fonoma

10/2019 - 01/2022 MADRID, SPAIN

As part of the team behind the main product, the Fonoma app, we were tasked with the complete redesign of the app. Some of the features were reused but a lot of them were created from scratch, specially integrations with Braintree and Paypal APIs for payments. Ionic integrations for both were not available but we

## MOST RELEVANT WORK EXPERIENCE

were able to create our own. I also improved the bug fixing process by fixing the integrations with Rollbar and connecting vscode to chrome dev tools.

**Stack:** Angular, React, Typescript, REST.

### Founder & Lead Engineer Aurora Suite

03/2016 - 10/2019 HAVANA, CUBA

As a solo developer, I created a platform that enabled Cuban users to browse the internet from mobile phones without internet, merely by using their very limited email service (there was only email, not full internet access). The platform was comprised of a Backend application with a custom email based API developed with PHP, and an Android app which served as a proxy by redirecting browser activity through email messages. The most challenging part was to handle several browser connections concurrently while using a single channel for SMTP/IMAP communication, this was a very uncommon and undocumented situation. I was able to implement it by the use of concurrency JAVA primitives, like Synchronous Queues and locks to synchronize access to shared resources.

**Stack:** Java (Android), Javascript (Firefox extension), PHP, MySQL, SMTP, REST.

## SKILLS

### - LANGUAGES AND FRAMEWORKS

Angular



Ionic+Angular



React



Redux



MobX



NgRx



Javascript



Typescript



RxJS



Python



Android (Java)



Django



Flask



FastApi



Express JS



### - DATABASES AND ORM

PostgreSQL



MySQL



SQLAlchemy



MongoDB



Mongoose



Mongoengine



Redis



### - METODOLOGIES AND PRINCIPLES

REST



GraphQL



GIT



Async programming



Functional Prog.



Object Oriented Prog.



Parallel Prog.



SCRUM



HTTP/2 Protocol



### - OTHER

Linux servers



Docker



Chrome Dev Tools



## OPEN SOURCE

### NautaPy (Python)

#### Project Owner

01/2020 - present

<https://github.com/atscub/nautapy> [ 33 ★ ]

**Python API** and **CLI** to handle connection with Nauta ISP captive portal used in Cuba.

### Nauta-cli (Python)

#### Project Owner

10/2018 - (deprecated)

<https://github.com/atscub/nauta-cli> [ 7 ★ ]

**Python 2 CLI** to manage connection with Nauta ISP captive portal used in Cuba. This project rewritten for python3 and is currently deprecated.

## STRENGTHS

Teamwork

Solving complex problems

Attention to detail

Responsibility

Leadership

Originality

Product knowledge

Practical

Focused

Open minded

Perseverance

## LANGUAGES

English  
**Professional**

Spanish  
**Native**

## EDUCATION

### Mathematics | Bachelor

#### University of Havana

09/2009 - 07/2016 HAVANA, CUBA

- Thesis Topic: *The Finite Elements Method applied to multiply connected regions.*
- Grade: 4.35 / 5