

Alessandro Sanino

Senior Golang Developer and Blockchain Architect

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Work experience

CTO and co-founder Oct 2019 - present

[Electric Sheep Solutions](#)

In Electric Sheep Solutions I am currently in charge of **designing** and **implementing Cloud Architectures** from scratch for different projects, managing dev teams and take care of the technological vision of them.

CTO and co-founder Aug 2018 - present

[Tryvium Travels LTD](#)

In Tryvium I am in charge of all the technical vision of the project.

Managing part-time employees using scrum and agile are my daily bread. I also do high level research and implementation of custom algorithms and, in the first phases, I developed the backbone of the project myself.

To know more about the project, visit <https://about.tryvium.io>

If you want to reserve a room using us, go to <https://tryvium.io>

Blockchain Researcher Jan 2018 - Apr 2022

[University of Turin - Computer Science Department](#)

In university, I mainly do research for **CO CITY** and **BLINC** Projects, which consists of:

- Creation of **Private Ethereum Based Blockchain**
- Creation and maintenance of **Solidity + OpenZeppelin Smart Contracts**
- Maintenance of Blockchain Networks
- Integration (using javascript) of **Ethereum based light wallets**.

URL: <https://cocity.firstlife.org>

URL: <https://blockchain.di.unito.it/projects>

Blockchain Specialist Jun 2018 - July 2019

[Mangrovia Blockchain Solutions](#)

In Mangrovia Solutions my main role regarded Blockchain development.

With my team I:

- Developed Ethereum based tokens
- Performed some ICOs Counseling
- Developed IBM Hyperledger based solutions
- Developed Smart Contracts solution for gaming environment (Cyberdeck)

Back End Developer May 2017 - Nov 2017

[Arduino](#)

As a Back End Engineer, I mainly worked on Web and CLI Applications, like:

- **Arduino Create**: Back End and Single Sign On
- **Arduino CLI**: incremental development from scratch, using pure Go and Cobra Commander and working on its integration with the Arduino IDE.

Area of Expertise

Open Source



I work for open source community since 2013, and I gained a lot of knowledge by both sharing and contributing to it.

I have a good knowledge of git tool and Github Flow.

Owner of Open Source Organizations on Github:

- [The Bot Guy's Open Source Software](#)
- [Tryvium Travels](#)

Blockchain and DLT



I have experience in Ethereum, Solidity, EVM Compatible Smart Contracts Development and Advanced Blockchain Technical Knowledge.

Cloud Engineering



I work mostly in Golang and Python. I created open source projects leveraging both Bot Development Knowledge and Back End Engineering. I am able to handle Cloud Servers and their configuration.

Contributions

I wrote a Medium article about creating cloud architectures using free services.

This helped a lot of startups to quickly create scalable MVPs and alpha versions of their platforms.

I called the new pattern I created the **Zero Penny Architecture**

More info at

<https://shorturl.at/nFHIW>

Main technologies used :

- [Goa](#) framework
- [AngularJS](#)

Acquired experience using GitHub Flow, and worked with Amazon AWS.

Database Administrator & Migration Counselor Aug 2016 - Nov 2016

Sys App Architect

I helped the migration to the company back-end to a more reliable structure by :

- Moving the Contacts backend software to a Highrise CRM instance and by migrating all data from a MySQL DB.
- Migrating some company internal services to Google Apps for Work.
- Moving webservers to Amazon AWS instances.

Web Developer Jul 2013 - Sep 2013

MVItalia

Website maintenance and upgrading to new technologies.

Languages used:

- ASP (VB.NET, C#.NET code behind)
- PHP 4.x/5.x, HTML 4.01/5, CSS 2/3, jQuery 1.x/2.x

Education

Computer Science and IT - First Level Degree 2013 - 2016

University of Turin - Computer Science Department

Languages and Compilers - Software Engineering - Security in Web Development

Skills

Go (Golang)



I gained experience of the following frameworks:

- [goadesign/goa](#) (RESTful API Development and easy maintenance)
- [Cobra](#) & [Viper](#) (Command Line Applications)

I am main author of the following Open Source Projects:

- [Golang Crypto Trading Bot](#) : A Framework to build trading bots leveraging classic indicators from talib library, all developed in Pure Go.

Cloud Engineering



I can set up cloud instances on [Amazon AWS](#), [Google Cloud Platform Compute Engine](#), [App Engine](#) and [Heroku](#).

I can handle Continuous Integration and Continuous Delivery using [Drone](#), [Gitlab](#), Github Actions and I can manage [Kubernetes](#) clusters.