Andrea Giacobino CV

December 15, 2021

General

Solution architect / Software engineer

Personal Info

- **Nationality**: Italian
- **Spoken Languages**:

    - Italiano - Mother tongue
    - English - Professional proficiency
    - Deutsch - B-level
    - українська - B-level

Contact Information

- **Location**: Berlin/Germany
- **E-Mail**: no.andrea@gmail.com
- **Telegram**: t.me/no_andrea

Links

- **Website**: adgb.me
- **Github**: github.com/noandrea
- **LinkedIn**: www.linkedin.com/in/andreagiacobino
- **DevTo**: dev.to/noandrea

Interests

- Decentralized protocols
- Self-sovereign identity
- Open source software
- Conversational interfaces
- Distributed organization

Work Projects

Projects in DLT space

- **Cosmos Cash**: SSI and regulatory compliant stablecoin chain; project page;
- **Coaching/Mentoring**: Go mentoring on API development for a Europe based CEX

- **Provision of private chains**: Go+Docker implementation to simplify provisioning of private chains (w/Cosmos)
- **DeFi Portal**: Recommendation engine for DeFi protocols on Ethereum for UTU Technologies. Backend and recommendation engine implementation in Go; website
- **Token Crowdsale**: Backend. Implemetation in Go on AWS for coordination between KYC/User Interface/Token Contract

- **Go SDK**: Aeternity SDK in Go; project page
- **Compiler gateway**: Smart contract compiler gateway/library for the Aeternity smart contract language: Sophia; project page
- **Py SDK**: Aeternity SDK in Python; project page
- **Faucet**: Aeternity testnet faucet; project page

Side Projects

Here there are some projects where I have contributed and can be looked into for reference.

- **geo2tz**: A service to translate geo coordinates to time zones; project page
- **VALIS**: A personal assistant for orgainzations WIP; website
- **CostOf.Life**: an exploration about cost management; project page, website
- **Distill**: URL Shortener; project page, website
- **The Newsroom**: what is the country in the spotlight today (website)

Misc

- **Aeternity Forum**: forum.aeternity.com/u/noandrea/activity/topics
- **Aeternity Talk** (2019): youtu.be/F5j8XPK5Gp0?t=18678
- **Interview** (2019): youtu.be/AgaH-bS1zss

Work experiences (WIP)

I've been working on blockchain projects since beginning of 2018, in the beginning with PoW chains (Aeternity, Ethereum) and eventually switching to PoS chains, specifically tendermint based. As senior staff in a blockchain agency my responsibilities varies from research to design and implementation of software projects based on blockchain tech and products. My focus is on the engineering and development of services and tools on the backend side, specifically with Go and Rust.

Tendermint

since 2021 (Remote) – website

Blockchain: Cosmos SDK based

Tools: Git, Docker, CI/CD, K8s

Technologies/Languages: Go, Rust (+WASM), Cosmos-SDK, SSI, Hyperledger Aries

In Tendermint I've joined a research project about integration of self-sovreign identity stack and blockchain protocol. The aim of the project is integrate identity and blockchain solutions with a privacy respecting approach that is compliant with regulations being drafted in the EU.

Ape Unit

2018 to 2021 (Berlin, Germany) – website

Blockchain: Ethereum, Cosmos, BSC

Tools: Git, Docker, CI/CD, AWS, K8s

Technologies/Languages: Go, Rust (+WASM), Graphdb

Ther professional relationship born in the Æternity project has continued within Ape Unit where I am currently following the technical projects focuesed on DLT technologies. As a small and dynamic blockchain agency the task at hand are multiple and diverse, I cover different roles from coordianation to development and research on techonlogies and topics in the blockchain sphere.

Æternity Blockchain

2018 to 2020 (Berlin, Germany) – website. for ApeUnit

Acquired Skills: SDK development, Developer Tools and Technical Documentation, Community Interaction

Tools: GIT, Docker, Kubernetes, CI/CD, AWS, GCP

Technologies/Languages: Python, Go, Rust

Blockchain: Æternity, Ethereum

I joined the Æternity project as a maintainer for the python SDK. Over time I got more involved and I started the development of the Go SDK and ended up coordinating the development of the official SDKs, defining development standards, planning releases, engaging with the community and providing support for developers. As the coordinator of the SDKs I worked closely with the core team to provide feedback and ensuring smooth transitions across protocol upgrades and node releases

In the project I was also involved in moderating sessions for discussing off-protocol standards (AEXs) and providing support to some of the exchanges (Binance, Huobi, OKEx)

Welance Ventures UG

2017 to 2019 (Berlin, Germany) – website

Tools: GIT, Docker, AWS

Technologies/Languages: MySQL, Python, PHP, Apache, Nginx

data migration, development experience, training

Titel Media GmbH / Highsnobiety

2017 to 2019 (Berlin, Germany) – website

Tools: GIT, Docker, AWS, GCP, K8s

Technologies/Languages: Go, SQL

I've met Highsnobiety's CTO for the first time in the summer of 2017 where
they had a "simple" goal, keeping the page load time for highsnobiety under
the google recommendation at all time, both for cached and non-cached
content. I have worked with them to identify the bottlenecks of their
stack and we managed to achieve substantial improvement in the non-cached
area. After that I kept consulting with them for various infrastructure
related decision and to develop ad hoc solution for data management. The
most exciting moment has been the migration from one cloud provider to
another while simultaneusly switching from puppet to k8s with 0 downtime.

Tykli Srl (co-founder)

2012 to 2017 (L'viv, Ukraine/Berlin, Germany)

Aquired Skills: Project management, budgeting, distribuited systems, infrastructure scaling

Tools: GIT, AWS, Maven, SonarQube

Technologies/Languages: Java, Spark, Scala, Python, Postgres

With a collegue of mine we founded a startup whose goal was to provide a
data analysis platform able to provide semantic insight into large and un-
structured datasets. The underling core technology was built using graphs
and graph theory as the base to infere meaning from unknow data. My re-
sponsability was to design and develop the platform and the infrastructure
and to write the algorithms in a way that the computation could be easily
distributed.

The technolgy won a contest for innovation and was later acquired by Ennova
Group.

Emerasoft Srl

2008 to 2012 (Torino, Italy) - website

Tools: Subversion, Polarion ALM, Jenkins, SonarQube

Technologies/Languages: Java

I've joined Emerasoft as a junior php/java developer to work on custom
editorial solutions based on php, java and InDesign server. The focus was
to create custom workflow for validation of graphic contents for printing.

Since 2010 my responsibilities shifted to research and evaluate new trends
in the devops field and to promote best practices in the organization and
to the customers. Meanwhile I was managing an outsourcing team focused on
developing an editorial solution for a big manufacturing company.

Over time I graduated from R&D to professional services where I was re-
sponsible to design and implement ALM workflows, using Polarion/Subversion
as the platform and to coordinate the deployiment in medium/large organ-
isations. The main focus was to create organisation-wide policy for
development and management of software projects. In this role I had the
opportunity to work with different realities such as banks, insurance
companies, manufacturing companies, public administration.

Education

I do routinely attend to online courses as well as using other sources to keep up with the evolution of the technology.

The following is a summary of the formal education.

University

Informatica (Torino, Italy) - website

Course: information technology

> I have studied in the faculty of information technology. I haven't got a bacelor degree but I have completed 90% of the course.

High school

Liceo Classico (Torino, Italy) - website

Focus: literature, history and philosophy

> I have graduated from the liceo classico in Torino.