

# Nicolás Tallar

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 <https://github.com/ntallar>

## EDUCATION

### • Universidad de Buenos Aires

- BS+Master in Computer Science; GPA: 9.36

CABA, Argentina

Jan 2012 – Aug 2023

## EXPERIENCE

### • Globant

- Tech Leader & Typescript Dev

Led development of various services for a marketplace application

- Tech Stack: Typescript, NestJS, Azure, SQL

- Extensive integration to the Azure ecosystem: Blob Storage (using SAS), Queue Storage, Azure functions

- Design & coordination for the integration of all services of the application

Tech Leader & Solidity Dev at Agua project

Dec 2022 - Mar 2023

- Tech Stack: Solidity, Javascript, Hardhat, OpenZeppelin

Tech Leader & Kotlin Dev

Dec 2021 - Dec 2022

Led development of various microservices for a gaming application: a Kotlin and a Java microservice, both built on the Spring Boot framework.

- Tech Stack: Kotlin (libraries: Arrow), Java, Spring Boot, AWS (DynamoDB, S3)

- Market Research of Wallet and NFT products and protocols

### • Atix Labs

CABA, Argentina

- Tech Leader & Scala Dev at Mantis project

Sep 2020 - Jan 2021

Led modernization of a Ethereum Classic client: a Scala protocol implementation modeled with Akka actors.

- Tech Stack: Scala (libraries: Akka, Cats, Monix), NoSQL (RocksDB)

- Design & implementation of a protocol change to Ethereum Classic: a proto-treasury system.

Squad Captain & Scala Dev

Sep 2018 - Sep 2020; Jan 2021 - Aug 2021

Led development of a subteam for a project implementing a new cryptocurrency, through a layered Scala application integrated to Solidity contracts.

- Tech Stack: Scala (libraries: Akka, Cats, Monix), Solidity, NoSQL (RocksDB)

- Strict functional programming

- Research-oriented development: in close communication with a dedicated research team in charge of creating the protocol changes that our team implemented.

- Design & implementation of the synchronization process between nodes of the cryptocurrency

Haskell Dev at Yoroi project

Jan 2018 - Sep 2018

Developed a Haskell integration to the Cardano Blockchain, that exposed events happening on it by exporting them to a SQL database. Helped with the Javascript Backend and Frontend as consumers of the produced database.

- Tech Stack: Haskell, SQL

- Designed integration with Cardano network

Scala Dev at Mantis project

Dec 2016 - Jan 2018

Developed a Ethereum and Ethereum Classic client: a Scala protocol implementation modeled with Akka actors.

- Tech Stack: Scala (Akka actors), NoSQL (LevelDB and RocksDB)

- Network Compatible with Ethereum and Ethereum Classic: basing protocol implementation on the Ethereum paper and other of its implementations.

- Open Source project: with periodic status updates to the community.

## PROGRAMMING SKILLS

- Languages: Go, Scala (w/libraries: Akka, Cats, Monix)

- Technologies: Grafana, NoSQL, SQL, AWS (DynamoDB, S3), Azure (functions, Blob, Queue)

## PROJECTS & COURSES

- IOHK Haskell & Cryptocurrency Course: 3 month course focused on Haskell development

- Thesis on high-scale simulations of Selfish Mining attack on the Bitcoin network