

Nicolás Tallar

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EDUCATION

- **Universidad de Buenos Aires** CABA, Argentina
BS+Master in Computer Science; GPA: 9.36 Jan. 2012 – Aug. 2023

EXPERIENCE

- **Globant** CABA, Argentina
Tech Leader & Typescript Dev Mar 2023 - now
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:** Scala (w/libraries: Akka, Cats, Monix), Kotlin (w/libraries: Arrow), Typescript, Haskell
- **Technologies:** Spring Boot, NestJS, 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**