Nicolás Tallar

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⌂ https://github.com/ntallar

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**

  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 part of the microservices for a gaming application: a Kotlin and a Java microservice, both built on the Spring Boot framework.
  - ○ **Tech Stack**: Kotlin (libraries: Arrow), Java, Solidity, Spring Boot, Hardhat, AWS (DynamoDB, S3)
  - ○ **Market Research of Wallet and NFT products and protocols**
  - ○ **Design & coordination for the integration of the implemented microservices with the others**

- **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 happing 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 node**

  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**