

Ariel Aguirre

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About me

I'm a software developer with a strong background in web applications, covering both back-end and front-end development, with experience in cloud technologies and blockchain integrations.

Also I enjoy exploring topics like game programming, graphics, networking, and low-level programming.

I'm always open to expanding my horizons and learning new things.

Experience

Devlights

2025 – Current

MMA

- Developed data processors in IoT devices critical to the operation of oil and gas equipment
- Implemented frontend components and backend functionalities on a Nest, React and TypeScript stack
- Improved the security and stability of production environment by patching vulnerabilities and bug fixes
- Used: Node.js, TypeScript, Nest.js, React, Next.js, AWS

Altoros

2021 – 2024

Ergotron Snowball

- Provided technical leadership, roadmap planning and guidance to development teams
- Contributed to the development and migration from a monolithic core to modern microservices based on AWS, working on architecture design and coding implementation
- Implemented frontend components and general architecture on a React and TypeScript stack
- Used: Node.js, TypeScript, AWS, React

Ergotron eKinnex

- Improved the security and stability of production environment by patching vulnerabilities and bug fixes, as well as updating and maintaining servers infrastructure
- Contributed to the development and migration from a monolithic core to modern microservices based on Google Cloud, working on coding implementation
- Designed a new frontend model architecture to optimize the initial page load and facilitate its future maintenance
- Implemented backend functionalities and frontend components on a Firebase and React based stack
- Used: Node.js, TypeScript, Google Cloud, Firebase, React

iFit

- Managed a microservices-based system and participated in the expansion of it with the migration of several features
- Worked with security specialists to reduce the number of system vulnerabilities, patching them and resolving issues
- Implemented new functionalities on a jQuery based frontend
- Used: Node.js, TypeScript, Nest.js, Express.js, React, jQuery, Docker

Personal Flow

2020 – 2021

Back for Front API

- Managed a microservices-based system and participated in the development of it
- Managed support for an application with extremely high user demand
- Developed tools to improve and extend the CI and deployment control
- Contributed to support and issue fixing of back-end API web services
- Used: Golang, Node.js, JavaScript, Fastify, Kubernetes

Atix Labs (now part of Globant) [🔗](#)

2018 – 2020

Cardano Explorer [🔗](#)

- Designed new schemas for the database model, as well as GraphQL implementation
- Development of aggregation processes between different microservices
- Participated on the design of React based frontend pages and components.
- Implemented new graphics and metrics for complex market analysis
- Used: Node.js, TypeScript, React, GraphQL, PostgreSQL

Briken [🔗](#)

- Participated on the design of a frontend React based page, as well as its structure
- Programmed ERC-20 contracts on Solidity, as well as their integration with web3.js
- Optimized the bundle size of the page for a fast and efficient user experience
- Used: Node.js, Solidity, Web3.js, React, Meteor.js, MongoDB

Red Link - Identidad Digital

- Participated in the development of the MVP product, designing and coding both backend and frontend
- Designed the database model schema and relationships, as well as its controllers
- Implemented encryption schemes for file sharing using AES and ECIES cryptographic specifications
- Integrated native modules in Android with React Native
- Used: Node.js, React, React Native, Expo, Android SDK, ECDH and AES encryption libraries, Sails.js, Express.js, PostgreSQL

FinanciaClick [🔗](#)

- Participated in the development of the MVP product, designing and coding both backend and frontend
- Designed the database model schema and relationships, as well as its controllers
- Deploying and production environment support
- Used: Node.js, React, Sails.js, Express.js, PostgreSQL

Education

University of Buenos Aires [🔗](#)

2016 – Current

Software Engineering

Technologies

Languages: JavaScript, TypeScript, Golang, HTML, CSS, Bash, SQL, Python, C

Frameworks: Node.js, React, Nest, Meteor, Sails.js, React Native

Database Management: PostgreSQL, MongoDB, Firestore, SQLite

Cloud Related: Docker, AWS, Google Cloud Platform, nginx

Programming Related: REST, Git, Express.js, Fastify, GraphQL, Blockchain

Methodologies: Agile, Scrum, TDD, Kanban

Languages

English: Fluent

Spanish: Native