

Matias Agustin Zapata

Full stack developer | matuzapata@gmail.com | +541138608532 | [LinkedIn](#)

Relevant work experience

Full stack developer

Sphereone

2022 - Present

As one of the early team members, I contribute extensively to all aspects of the product. My role focuses on developing core features, including payment routes creation and execution, as well as creating and managing wallets and keys for users. I also have gained proficiency in app development using React Native and actively utilize my product ownership skills to enhance the user experience. Additionally, I am immersing myself in the web3 world, developing solutions involving solidity, smart wallets, decentralized exchanges (DEXes), and bridges. With an agile approach, I consistently deliver high-quality results within demanding deadlines. Not only do I develop code, but I am also part of the QA testing and unit tests development. I am an actively engaged team member, readily joining calls to provide help where needed and contribute feedback on code quality for pull request reviews. I am also involved in web development using React, TypeScript, Tailwind CSS, Redux, and more. Lately, we've been diving deep in ai fusion with web3.

Embedded systems developer

KiriFan

2019 – 2020

KiriFan is an academic team developing energy-efficient electric cars to compete in the Shell Eco Marathon where we won podium place for Latin America. Developed embedded systems for data collection and control of a BLDC motor. Designed and 3D printed mechanical parts required for the electronics team. Managed public relationships with sponsors.

Projects (Find out more in my [portfolio](#))

Forwarder Commerce - One-time addresses to interact with the blockchain in no time

Create one-time addresses for payments so anyone can pay on your website in 2 seconds no matter which wallet they use. Forcing to have metamask, coinbase, etc is friction we want to remove. Created a forwarder contract in solidity to properly link one deposit with one payment. To improve gas efficiency I did a contract factory for deployment while leveraging CREATE2 to avoid upfront costs. Also did a CLI with a custom SQL job queue to poll and withdraw funds accordingly.

Explainit - AI Powered chats for documentation

ExplainIt is a website that allows companies to create interactive AI-powered chats using a RAG system. I used Puppeteer for the crawling, pgvector for the vector database connected through prisma to the nestjs backend. For the frontend, I picked nextjs with app router and tailwindcss. The deployment is through docker images and the payments are through lemonsqueezy.

Education

National Technological University of Buenos Aires - Electronics engineering - Jan 2018 - Present

Henry – Full stack development bootcamp - May 2022 – Ago 2022

Courses - Nestjs, Microservices, Systems, Solidity and more

Skills

Languages: Typescript, Solidity, C, C++, Python. **Technologies and tools:** Nestjs, Express, ReactJS, Nextjs, ReactNative, PostgreSQL, Prisma, TypeORM, Git, Figma, Eslint, Express, HTML, CSS, Tailwindcss, Chakra UI, Redux, Vercel, Bash, Supabase, Firebase, MCUExpresso

Dome IOT Oct 2022 - Unfinished due to IOT modular system to control electrical connections over Wi-Fi. Currently coding in C++ the IoT device firmware that'll run in an ESP8266. Currently coding in React Native, TypeScript and Expo the application. Using Firebase for authentication and Real time data. The app design has been built with Figma. Currently designing and building the PCB layout and 3D models for the hardware

Education:

National Technological University of Buenos Aires - Pursuing a degree in Electronics Engineering since Jan 2018.

Henry – Full Stack Development Bootcamp - Completed the bootcamp in May 2022, enhancing practical programming skills in web development.

In addition to my formal education and bootcamp, I also continue to expand my knowledge through additional courses, including Solidity and Design Systems. These courses are part of my ongoing commitment to staying current and mastering various aspects of technology and development.

Full Stack Development:

Expertise in JavaScript, TypeScript, ReactJS, NextJS, and React Native.

Proficiency in PostgreSQL, Prisma, Git, HTML, CSS, Tailwind CSS, and Chakra UI.

Skill in Redux and Redux Toolkit for state management.

Experience in deploying applications.

Blockchain and Web3 Development:

Proficiency in Solidity for smart contract development.

Management of crypto wallets and decentralized exchanges (DEXes).

Bridging web development with blockchain technology.

Project Management and Collaboration:

Proficient in Agile methodologies and Scrum.

Experience in QA testing, unit tests, and code reviews.

Effective collaboration within cross-functional teams.