

Nicolás Victorio Ludueña

Senior Full-Stack Developer & Tech Lead

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PROFESSIONAL SUMMARY

Senior full-stack developer with 5+ years across web development, DevOps, and Cardano. At TxPipe, validates Cardano Vision 2026 milestone delivery claims against their stated scope and submitted evidence, and separately builds internal tooling for smart-contract auditing. Previously designed the architecture for a Cardano DeFi platform and delivered it to mainnet, with deep experience in TypeScript, Rust, and Cardano's low-level stack.

TECHNICAL SKILLS

Blockchain & Core Development: UTxORPC, Dolos, Pallas, Lucid, blaze-cardano, TypeScript, Rust

Web & Data Technologies: Next.js, React, NestJS, Django, Flask, PostgreSQL, Elasticsearch, DrizzleORM, Prisma, TypeORM

Cloud & DevOps: GCP, AWS, Kubernetes, Terraform, Docker, GitHub Actions, Tailwind CSS, shadcn/ui, Konva

PROFESSIONAL EXPERIENCE

TxPipe · Blockchain Fullstack Developer

2023 ~ Present

- Third-Party Assurance. Reviews Cardano Vision 2026 milestone deliveries, validating each delivery claim against its stated scope and submitted evidence.
- Internal audit tooling. Builds Visual Studio Code extensions and TypeScript tooling for smart-contract auditing workflows. Tech stack: TypeScript, Git, simple-git, Mocha.
- Metera architecture and mainnet delivery. Designed the project architecture from scratch and brought it to mainnet while serving as a core developer. Tech stack: TypeScript, Turbo, Lucid, DrizzleORM, PostgreSQL, Dolos, UTxORPC, Terraform, Next.js, Blockfrost, GitHub Actions.
- Midnight DApps and developer education. Designs multiple Midnight DApps and writes educational articles for TxPipe, turning protocol concepts into working applications and practical guidance.
- Lace Anatomy. Worked on the explorer development team using TypeScript, Konva, React, Next.js, UTxORPC and Cardano DB Sync.
- Apex Fusion. Developed transaction builders for Vector chain stress testing, wrote eUTxO onboarding documentation, and led a proof-of-concept order book for its fast-finality blockchain.
- Tx3, Dolos and Pallas. Worked as a core developer on TxPipe's Tx3 language and contributed to its underlying Rust and Cardano infrastructure repositories.
- Marlowe SDK. Worked as a core developer on the multi-language Project Catalyst SDK using Rust, Go, Python, TypeScript, C# and OpenAPI Generator.

Plank · Fullstack Web Fellow and Developer

2022 ~ 2023

- Trained as a web developer with strong fundamentals.
- Developed and deployed a clothing shopping website and an MVP for a Cardano Real Estate Tokenization platform. Tech stack: React, NestJS, Next.js, Typescript, TypeORM, Prisma, GraphQL, AWS

Seenka · Backend Developer and DevOps

2021 ~ 2022

- Worked in the integration of Django+Google's Pub/Sub technologies with MLflow models developed by the Machine Learning team. Tech stack: Python, Django, Elasticsearch, Flask, Grafana, Kubernetes and GCP.

SELECTED PROJECTS

- **envbro**: Secure p2p .env file management. · <https://github.com/nicolasLuduenaa/envbro>
- **batlights**: A TUI for managing office LED strips through UNIX. · <https://github.com/nicolasLuduenaa/batlights>
- **Metera**: Designed the project architecture from scratch and brought it to mainnet while serving as a core developer.
- **Tx3**: Worked as a core developer on TxPipe's Tx3 language. Tech stack: Rust, Tokio, Handlebars, Pest, Dolos, CShell, Pallas.
- **Lace Anatomy**: Worked on the Lace Anatomy and explorer development team. Tech stack: TypeScript, Konva, Tailwind, React, UTxO RPC, Cardano DB Sync.
- **Balius Discord Bot, Project Catalyst**: Contributed to Asteria's Balius Discord Bot for a Project Catalyst milestone. Tech stack: Rust, Dolos, Balius, Demeter. · <https://milestones.projectcatalyst.io/projects/1100161/milestones/5>

AWARDS & RECOGNITION

- **2026**: 2nd place · Midnight Buenos Aires Hackathon
- **2025**: 2nd place · Midnight Buenos Aires Hackathon
- **2025**: Invited participant · Midnight London Summit Hackathon

EDUCATION

Teaching Assistant and Tutor

2021

Universidad Nacional de Córdoba

Worked as a tutor at both high school and university levels, culminating in a role as a Teaching Assistant (TA) for a first-year computer science course.

Computer Analyst

2018 ~ 2021

Universidad Nacional de Córdoba

Graduated among the top students in the class with average grades of 9.58 out of 10. Gained a strong foundation in computer science fundamentals and low-level operating system concepts.

Electronics Technician & Highschool Degree

2011 ~ 2017

Graduated top of my class. First programming language was C applied for microcontrollers and robotics; learned Arduino and won multiple regional electronics hackathons.

LANGUAGES

Spanish (Native) · English (Fluent)