

Patricio Tena Zozaya

+52 55 3472 1109 / tenapatricio@gmail.com / tenapatricio.com / Github @[tenapato](https://github.com/tenapato)

Computer Engineer from Tecnológico de Monterrey with over 3 years of experience as a Backend Engineer in financial technology companies (FinTechs). I have extensive experience in planning, designing, and developing application programming interfaces (APIs), implementing payment engines, cloud development and deployment (Cloudflare, AWS), planning, designing, and developing the ledger for RUUT's stock trading system and advised portfolios, as well as developing its rebalancing algorithm. Developed a Software as a Service (SaaS) platform that enables clients to create accounts for their customers, facilitating seamless transactions for sending and receiving money.

Furthermore, I possess skills such as teamwork, leadership, decision-making, working under pressure, critical thinking, creativity for problem-solving, flexibility, and customer orientation.

Abilities

Javascript, Typescript (ReactJS, NextJS, NodeJS, Bun), Cloudflare Workers, Python, Vercel, Docker, C++, SQL, MongoDB, AWS (S3, ec2, VPG, VPC, ecs), Auth0, OAuth 2.0, Go Lang, Elixir, Bash, Terraform, Redis

Professional experience

RUUT Technologies Inc.

Startup fintech, investment advisors

Senior Backend Engineer (Ago 2023 - Actual)

Responsible for planning, designing, and implementing the backend services of the investment application, detecting and resolving errors (bugs) in the app flow, planning, designing, and implementing new app functionalities. Organizing and planning activities for a team of developers, ensuring efficient task distribution.

- Ledger and trading system for RUUT's advised portfolios were created within 6 months.
- Planning, development, and implementation of RUUT's investment advisor system version 2, including the migration from the old system within 6 months.
- Development and implementation of RUUT's payment engine with STP in 3 months.

Semi-Senior Backend Engineer (Ago 2022 - Ago 2023)

Responsible for the development and implementation of the webhooks system for alerts and fund dispersals with STP, completing the project within one month. Leader in the development and implementation of the CLABE account validation system with CEP receipts within a two-month period.

- Developed and implemented the webhooks system for alerts and fund dispersals with STP within 1 month.

Patricio Tena Zozaya

+52 55 3472 1109 / tenapatricio@gmail.com / tenapatricio.com / Github @[tenapato](https://github.com/tenapato)

- Developed and implemented the CLABE account validation system with CEP receipts within 2 months.

Junior Backend Engineer (Mar 2022 - Ago 2022)

Leader in the development from scratch of the RUUT application backend, culminating in its successful market launch within an eight-month period. Working closely with the team, I took on the responsibility of building the backend from scratch, implementing the necessary functionalities, and ensuring server stability and efficiency.

- Developed and launched the RUUT server within 8 months.
- Planned the server architecture, as well as its implementation and launch.

Wirewatt

Renewable energy

Software Developer Intern (Sep 2021 - Mar 2022)

Responsible for the development of both the frontend and backend of the quotes and amortizations system.

- Developed functionalities such as the calculation of amortization tables, algorithms for credit financing calculations.
- Migrated the legacy system from Laravel to a JavaScript-based system within 2 months.
- Planned the new system within 1 month.

Academic Background

Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Santa Fe

Computer Engineering

2018-2022

Special Courses

Pattern Recognition with Neural Networks Course - ITESM

Aug 2022

MongoDB Basics - Mongo University

Feb 2021

Docker Mastery: with Kubernetes + Swarm from a Docker Captain - Udemey

Jun 2020

Patricio Tena Zozaya
+52 55 3472 1109 / tenapatricio@gmail.com / tenapatricio.com / Github @tenapato

Personal Projects

- Development of Data Vault App
 - Technologies: Typescript, Cloudflare workers, Supabase, NextJS
- Integration of STP payment engine
 - Technologies: Typescript, Docker, AWS
- Integration of Incode API for user onboarding and OCR
 - Technologies: Typescript
- Integration of Rapyd payment engine
 - Technologies: Javascript
- Development of backend for RUUT financial application
 - Technologies: Typescript, Docker, Cloudflare workers, Supabase
 -
- Simulation of block mining for a cryptocurrency (<https://github.com/tenapato/crypto-block-hashing>)
 - Technologies: C, OpenMP, Vagrant
- Development of FullStack MERN Application (<https://github.com/tenapato/post-it>)
 - Technologies: MongoDB, Express, React, NodeJS
- Development of independent video game (<https://github.com/tenapato/katanagatari>)
 - Technologies: Unity, C#
 -
- Exchange rate screens for Intercam bank
 - Technologies: Java, Raspberry Pi

Additional Abilities

Languages: Spanish (native), English (native), Japanese (intermediate)

PC Software Proficiency: Microsoft Office, Adobe Suite (Photoshop, Illustrator)

Technologies: Neo4j, InfluxDB, Unity, DB2, Redis, GitHub Actions, GraphQL, MySQL, Elixir, Webhooks, Websockets, Server-Sent Events