NICOLÁS EZEQUIEL BAINER

Junior Full Stack Developer | Angular, TypeScript, Supabase/PostgreSQL, Node.js

Lomas de Zamora, Buenos Aires, Argentina · +54 11 3602-8457 · ezzebainer@hotmail.com · LinkedIn · GitHub

PROFESSIONAL SUMMARY

Advanced student of the University Technician degree in Programming and Computer Systems (UTN FRA), expected to graduate in December 2026. I build full stack web and mobile applications with Angular, TypeScript and Supabase (PostgreSQL, Row Level Security, Realtime), and backends with Node.js/Express and Python/FastAPI. In my final degree project I coordinated a team of 4 building an Android app with Ionic and Supabase, in charge of the repository, branch integration and documentation. I work at an AI automation consultancy: I map and document a client's processes and analyze their ERP to automate it with AI agents. I use Claude Code and n8n as part of my workflow. I previously worked in Occupational Health and Safety, where I built my background in process analysis and technical documentation.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java 17, Python, SQL, HTML5, CSS3/SCSS

Frontend: Angular (standalone components, signals, guards, reactive forms), PWA, Ionic + Capacitor (Android)

Backend: Node.js, Express, FastAPI, SQLAlchemy, Spring Boot, REST APIs, JWT and session authentication

Databases: PostgreSQL (functions, views, triggers, Row Level Security), Supabase (Auth, Realtime, Storage, Edge Functions), Prisma ORM, MongoDB, MySQL

Tools: Git and GitHub, Docker, Vercel, Netlify, Sentry, Linux (command line)

AI and automation: Claude Code, Grok, n8n, MCP connectors

Methodologies (academic training): Scrum, Agile, waterfall, UML

PROFESSIONAL EXPERIENCE

Process analysis and AI agent development | AgentesAI *Sep 2026 – Present*

AI automation consultancy · Hybrid, part-time

- Mapped the Administration, Purchasing, Sales and Operations processes of a client in the hospital supplies sector, through interviews and meetings with staff and management.
- Documented the processes as SOPs (roles, owners, backups and tools for each step), validated them with the users and set up the project documentation in Notion and Google Drive.
- Identified manual tasks, duplicated information and inconsistent data, and defined which processes to automate and in what order of priority.
- Analyzed the client's ERP (REST API documented with Swagger, with more than 170 endpoints, and an MCP connector) to define what can be integrated or automated.
- Tested AI access to the ERP data through a read-only MCP connector to generate automatic reports and cross-checks.

Health and Safety Analyst | Lihué Ingeniería S.A. *Feb 2025 – Sep 2026*

- Prepared risk matrices and technical documentation based on process analysis.
- Trained staff and coordinated with multidisciplinary teams.
- Drove continuous process improvement initiatives.

FEATURED PROJECTS

LA MESA — QR ordering mobile app for restaurants | Final degree project (UTN) · Team of 4

github.com/NEBainer/losjuniors-2026

Android app to run a restaurant end to end (arrival, table, order, kitchen and bar, games, survey and payment) with 7 user profiles.

- Coordinated the project: created and managed the repository, organized the branching workflow (one branch per member, integration in dev and stable in main) and integrated the team's work (14 of 43 merges, the most on the team) in weekly deliveries.
- Maintained the project documentation: README with progress status, each member's modules, screenshots and data model.
- Built table creation and management: form with camera photo, QR generation, validations and profile-based access control.
- Built the real-time chat between customer and waiter, the waiter's inbox of unanswered questions and the check that the customer scans the QR code of their assigned table.

- Implemented notifications to the owner and supervisor about pending customers, to waiters about new questions and to the customer when they get a reply.
- Built the discount games (hangman, memory game and trivia): table and SQL functions that validate the order and calculate the discount, with unit tests for each game's logic.

Stack: Ionic, Angular, TypeScript, Capacitor (Android, camera, notifications, ML Kit), Supabase (PostgreSQL, RLS, Edge Functions), Vitest, Git and GitHub

Fotograma — Web system for a cinema | Individual project (Programming IV, UTN)
github.com/NEBainer/Ezequiel-Bainer-tp1-prog4-2026-c2 · Demo: ezequiel-bainer-tp1-prog4-2026-c2.vercel.app

- Built ticket sales with real-time seat selection (Supabase Realtime), preventing two people from buying the same seat.
- Implemented roles (customer, employee and admin) with Supabase Auth: security is enforced with Row Level Security in Postgres, and Angular guards handle navigation.
- Implemented single-use QR tickets and PDF tickets, camera validation, an admin panel with PDF and Excel reports, and push notifications (PWA + Edge Function).
- Documented 42 requirements and 14 technical decisions with the alternatives considered.

Stack: Angular, TypeScript, Supabase (Auth, PostgreSQL, Realtime, Storage, Edge Functions), PWA, Vercel

GigaShop — Self-service store for tech products | Team of 2 (Programming III, UTN)
github.com/NEBainer/BainerCichelli.TP

- Built the backend (my teammate built the customer frontend): REST API with Node.js and Express in an MVC architecture for products, sales and users.
- Implemented the admin panel login with sessions and bcrypt-hashed passwords.
- Modeled the PostgreSQL database with Prisma ORM and versioned migrations, and implemented product CRUD with image uploads (Multer).

Stack: Node.js, Express, Prisma, PostgreSQL (Supabase), EJS, Multer, bcrypt, Vercel

Aroma & Miga — Website for a coffee shop | Individual project (practice)
github.com/NEBainer/aroma-y-miga-website · Demo: nebainer.github.io/aroma-y-miga-website

- Built a responsive site with a product catalog loaded with the Fetch API and a modal with each product's details.
- Implemented combinable filters by category and tag, debounced search, sorting, pagination and a light/dark theme.

Stack: HTML5, CSS3, JavaScript (ES6), Fetch API, GitHub Pages

Course grade average app — Deployment and observability | Team of 4 (Software Development, UTN)
github.com/NEBainer/proyecto-promedio

- Built the backend with FastAPI, SQLAlchemy and PostgreSQL, and containerized it with Docker.
- Integrated Sentry to log 500 errors without losing the CORS headers.

Stack: Python, FastAPI, SQLAlchemy, PostgreSQL, Docker, Sentry

Other projects: Task REST API with FastAPI and JWT · User REST API with Spring Boot (Java 17, JPA, Bean Validation) · Python game with Pygame · responsive website. All on github.com/NEBainer

EDUCATION

University Technician in Programming and Computer Systems | UTN – Avellaneda Regional School *Expected graduation: December 2026*

Bachelor's degree in Occupational Health and Safety | Universidad de Morón *2021*

LANGUAGES AND ADDITIONAL INFORMATION

Spanish: native | English: Upper-intermediate (B2) | Driver's license (class B1) | Available to travel