Ron BACHMANN
Fullstack Developer

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 linkedin | portfolio | github

SUMMARY

A **Fullstack Developer** specializing in the **TypeScript** ecosystem, leveraging **Python** to engineer end-to-end **data extraction pipelines**. As a **Linux** enthusiast passionate about developer tooling, I regularly build lightweight **CLI tools** and leverage a terminal-driven **Neovim** workflow to deliver maintainable and testable code.

SKILLS

PROGRAMMING LANGUAGES	**Proficient in:** Python	TypeScript **Working knowledge:** Bash	Golang
FRAMEWORKS & TOOLS	FastAPI	React	Next.js	NestJS	Nx	Stripe	PostgreSQL	Typesense	LLM Integration
DEVOPS	Linux	Docker	Google Cloud	DigitalOcean	GitHub Actions (CI/CD)
LANGUAGES	**Native:** Spanish **Advanced:** English **Intermediate:** Portuguese **Basic:** German

EXPERIENCE

FULLSTACK DEVELOPER — MORPHAIS
Feb 2024 – Oct 2025

- **Engineered** and **optimized** end-to-end **data extraction pipelines**, revamping core **scrapers** to achieve a performance increase of over **1000%** through advanced **reverse-engineering** techniques.
- **Architected** and delivered key features end-to-end, including "Startup Signals" (growth tracking), "Startup Pulses" (notifications), and a **semantic search** engine integrating **Typesense** with **LLM-based** query processing.
- **Owned** the platform's payment integration, implementing the complete **Stripe Checkout** workflow for managing user subscriptions across different product tiers.
- **Designed**, documented, and maintained internal and external-facing **REST APIs** using **FastAPI**, **NestJS**, and **Swagger (OpenAPI)**, ensuring clear specifications for frontend development and third-party integrations.
- **Resolved** a critical search engine schema failure under a tight deadline for a potential-buyer demo, **optimizing** the update process by **80%** and ensuring a successful presentation.
- **Developed** custom automation tools, including a **LinkedIn data enricher** with a **Google Apps Script (GAS) macro**, to **automate** data collection and increase the research team's efficiency.
- **Modernized** deployments by engineering optimized, multi-stage **Docker** images for frontend and backend services and developing **Python** scripts to fully **automate Google Cloud** job deployments.
- **Owned** the full development lifecycle, evolving from a Web Scraping Developer to the lead **Fullstack Developer**, managing daily **staging** and weekly **production deployments**.

PROJECTS

UBBIC.APP link
React | FastAPI REAL ESTATE DATA SCRAPER AND VISUALIZATION TOOL

- **Scrapes** and processes thousands of daily listings from 2 major Argentinian real estate platforms.
- Implemented advanced **anti-blocking measures**, including **proxy rotation** and **browser fingerprinting spoofing**, to ensure consistent data collection.
- Developed an **interactive map UI** allowing users to filter listings by drawing **custom polygonal zones**, enabling highly specific geographic searches.

STAY AWAY CARD GAME link
React | FastAPI MULTIPLAYER ONLINE CARD GAME

- **Led** backend team, **designing the core architecture** and implementing the crucial **state machine** to manage the game's turn-based flow and complex card logic.
- Engineered an extensible backend by implementing the **Strategy Pattern** for card effects, allowing new cards and logic to be added without refactoring the core game engine.

HIGHEXT link
React | Django PDF EXTRACTION AND SUMMARIZATION TOOL

- Architected the tool using **Clean (Hexagonal) Architecture** to **decouple** business logic from infrastructure, ensuring high **testability** and **maintainability**.
- Converts **color-coded highlights** from PDFs into well-structured **Markdown** documents using a semantic color-to-heading mapping.
- Engineered a **robust PDF parser** that maps text to highlights by calculating **geometric intersections** and applying a **custom sorting key** to ensure correct document order.

EDUCATION

NATIONAL UNIVERSITY OF CORDOBA - FAMAF
2021–2026

B.S. IN COMPUTER SCIENCE GPA: 8.8/10