

RENATO AGUSTÍN LAGOS ALBORNOZ

Full Stack Engineer (TypeScript/React, Python/Django)

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PROFESSIONAL EXPERIENCE

Software Engineer (Full Stack)

08/2024 – 04/2025

ITAÚ Bank

Santiago, Chile

- Built 4 real-time monitoring dashboards (React, Next.js, TypeScript, TailwindCSS) serving 120+ operations users, reducing incident response time by 35% through centralized KPI visibility.
- Developed 5 backend microservices (Django REST Framework, FastAPI, Node.js/Express) handling 2M+ daily requests, implementing JWT authentication and rate limiting for cross-team integrations.
- Migrated 3 monolithic services to containerized architecture (Docker, AWS API Gateway, ALB), reducing deployment time from 2 hours to 15 minutes.

Full Stack Developer

03/2023 – 07/2024

KPAZ

Santiago, Chile

- Built 3 internal dashboards (React, Next.js, TypeScript, TailwindCSS) consolidating data from 8+ REST services, reducing manual reporting time by 60% for 30-person operations team.
- Implemented webhook-based integration layer (FastAPI, Node.js/Express) connecting 5 internal systems, processing 500K+ events/month with 99.8% uptime.
- Established testing framework (pytest, Jest) achieving 75% code coverage, reducing production bugs by 40% over 6 months.

Software Developer

02/2022 – 03/2023

EY Chile

Santiago, Chile

- Developed automation solutions (C#, SQL Server) and internal web tools (HTML/CSS/JavaScript) for back-office operations at Big 4 consulting firm.

PROJECTS

FerRealSpanish – Language Learning Platform

2025 – Present

Full-stack Spanish learning platform (Astro, React, TypeScript, Supabase/PostgreSQL) serving 500+ waitlist users. Implemented row-level security (RLS) for multi-tenant student data, typed REST APIs for cohort management, and automated email campaigns (Resend, Apache Airflow DAGs). Deployed via Vercel with GitHub Actions CI/CD.

Content Automation Stack – Social Media Operations

2025 – Present

Content automation platform (Python, FastAPI, Apache Airflow) orchestrating 30+ social media posts/month across 4 platforms (YouTube, Instagram, TikTok, Facebook). Webhook-triggered DAG workflows automate AI-powered content generation (carousel layouts, subtitles, infographics using pandas), implementing retry logic and idempotent operations for 99%+ delivery success.

TECHNICAL SKILLS

Programming Languages:	TypeScript, JavaScript, Python, C#, PowerShell
Frontend:	React, Next.js, Astro, TailwindCSS
Backend:	Python (Django, Django REST Framework, FastAPI), Node.js/Express
Databases:	PostgreSQL, MySQL, SQL Server, Supabase
Orchestration & Automation:	Apache Airflow, FastAPI Webhooks, Python Scripting
Data Processing:	pandas, NumPy, ETL Pipelines
Cloud & DevOps:	AWS (API Gateway, EC2, ALB), Docker, GitHub Actions, Linux
API & Authentication:	REST API Design, JWT, OAuth, Swagger/OpenAPI

LANGUAGES

Spanish — Native • English — B2 (CEFR, Professional Proficiency) • German — A1 (CEFR, Currently Learning)