

ANDRES IGNACIO GONZALEZ

Miami, FL | +1 (305) 490-7641 | Andres.gonzalez2392@gmail.com

GitHub: github.com/andres2392

PROFESSIONAL SUMMARY

Backend-focused Software Engineer with hands-on experience supporting mission-critical production systems, SQL-driven applications, real-time warehouse automation, and modern API development. Strong background in Python, FastAPI, PostgreSQL, JWT authentication, SQLAlchemy, and scalable backend architecture. Proven ability to troubleshoot distributed systems, optimize workflows, automate testing processes, and deliver business-impacting software solutions.

PROFESSIONAL EXPERIENCE

Software Commissioning Engineer

KNAPP | Miami, FL | Sept 2024 – Present

- Support high-availability warehouse automation systems handling real-time production workloads.
- Troubleshoot incidents using logs, traces, SQL queries, and live system diagnostics.
- Execute PostgreSQL / PL/SQL queries to analyze throughput, validate transactions, and identify bottlenecks.
- Develop Python scripts to automate testing workflows, monitor system performance, and improve validation processes.
- Work in Linux production environments using remote tools for maintenance, monitoring, and debugging.
- Perform root cause analysis across software, database, and hardware layers.
- Collaborate with engineers, operations teams, and clients on deployments, releases, and integrations.
- Deliver technical training and documentation to customer teams.

Web Developer

Pump Stop Online | Miami, FL | 2020 – 2024

- Built custom Shopify solutions using Liquid, HTML, CSS, JavaScript, and JSON.
- Increased daily website traffic by 220% through UX optimization and technical improvements.
- Improved sales by 60% through conversion flow and product visibility enhancements.
- Achieved top Google search rankings through SEO and site performance improvements.
- Maintained website functionality, digital content, and multi-branch online presence.

Software Developer / Product Manager

PD Water Systems | Miami, FL | 2019

- Built iOS and Android mobile applications plus supporting web platform solutions.
- Developed REST APIs integrating mobile apps, Ruby on Rails systems, and MySQL databases.
- Gathered customer requirements and translated business needs into product updates.

- Improved customer experience through digital workflow automation.

VBA Developer

Grove Wealth Management, Inc. | 2017 – 2018

- Automated Excel workflows and integrated brokerage APIs for real-time portfolio tracking.
- Improved internal response efficiency by 45% through automation.
- Built formulas, dashboards, and reporting tools for financial operations.

TECHNICAL SKILLS

Backend: Python, FastAPI, REST APIs, SQLAlchemy, Alembic, JWT, RBAC, PostgreSQL, MySQL, SQL, PL/SQL

Frontend: React, Next.js, TypeScript, Tailwind CSS, HTML, CSS

Cloud / DevOps: Amazon Web Services CCP, Docker, Linux, ECS, S3, SQS, CI/CD Concepts

Languages / Tools: JavaScript, C++, Git, GitHub, Uvicorn, MobaXterm, Toad, SQL Developer

FEATURED PROJECTS

Restaurant Reservation SaaS Platform

- Built full-stack platform for restaurant reservations and availability management.
- Designed APIs for users, restaurants, bookings, tables, and availability.
- Implemented admin and restaurant manager role-based permissions.

Resume AI SaaS

- Built AI-powered resume tailoring platform for job seekers.
- Developed backend endpoints and frontend dashboard workflows.

EDUCATION

Master of Science, Information Technology – Atlantis University

Associate of Science, Mobile Applications Development – Miami Dade College

Bachelor's Degree, Telecommunications Engineering – Universidad Católica Andrés Bello

CERTIFICATIONS

Amazon Web Services Certified Cloud Practitioner