

Oscar Rojas

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Data Engineer | Python • dbt • SQL • Cloud (Azure) • Analytics Pipelines

SUMMARY

Data engineer with 6+ years building pipelines, automation platforms, and cloud-deployed applications — operating under an IT title while shipping production engineering systems end to end. Self-taught across Python, dbt, SQL, Azure, and JavaScript. Proven track record of taking projects from zero to live deployment, including a nightly NBA analytics pipeline and a purchase-order automation platform processing 200+ monthly transactions. B.A. in Computer Science, FIU. Bilingual (English / Spanish).

TECHNICAL SKILLS

Languages & Data: Python, SQL, dbt, DuckDB, JavaScript, HTML/CSS

Cloud & Platforms: Microsoft Azure (Static Web Apps, Azure AD/Entra ID), Microsoft 365, SharePoint, DigitalOcean, Render

Pipelines & Tools: Power Automate, REST APIs, ETL, Plotly Dash, Flask, FastAPI, GitHub Actions

Web & Infra: React/SPA, MSAL authentication, Git/GitHub, Linux, SSH, MDM (Mosyle)

EXPERIENCE

Information Technology Specialist

Jan 2025 – Present

Immaculata-La Salle High School — Miami, FL

- Designed and shipped a full purchase-order automation platform on a custom domain (po.ilsroyals.com): a dual-approval workflow built on Power Automate and SharePoint, including a fiscal-year rollover system, replacing a manual paper process for the entire organization.
- Built and deployed internal web applications on Azure Static Web Apps with MSAL/Entra ID authentication, including an office inventory dashboard and a printer-claims catalog backed by SharePoint lists.
- Engineered a deterministic categorization engine to replace an external API dependency, reducing cost and removing a third-party point of failure.
- Conducted a GitHub security audit that identified and remediated exposed automation trigger URLs, hardening the organization's internal tooling.
- Administered a 200+ device Apple fleet via Mosyle MDM and Apple School Manager, including role-based configuration and a 200+ unit device migration event.
- Managed wireless infrastructure, Azure AD user permissions, and access control across the campus network.

ERP Specialist

Jan 2023 – Nov 2024

Tekmovil LLC — Miami, FL

- Integrated business-intelligence and data-warehouse insights into ERP workflows to support data-driven decision-making.
- Improved data accuracy through regular audits and validation procedures, and supported ERP implementation and migration projects to minimize downtime.
- Led end-user training and change-management efforts during major system upgrades.

IT Specialist

Feb 2020 – Jan 2023

Tekmovil LLC — Miami, FL

- Maintained servers and network systems for high availability during peak periods; led IT infrastructure upgrades.
- Configured workstations, hardware, and software, and managed inventory lifecycle across the organization.

Co-Founder

Nov 2023 – Dec 2024

Chef Privé (startup) — Miami, FL

- Co-founded and scaled an early-stage venture; led website development, converting mockups into functional web solutions.
- Drove market research and partnership development across 25+ South Florida organizations and 100+ customer interviews, informing product strategy.

PROJECTS

Portfolio Site — *Next.js 16, React 19, Tailwind v4, Framer Motion* • *oscar-rojas.dev*

- Designed and built a personal portfolio site from scratch — editorial design with dark/light mode, animated project showcases, and a floating nav system. Deployed on Vercel with a custom domain via Cloudflare DNS.

Algorithmic Trading System ("polybot") — *Python, Flask, REST APIs, DigitalOcean*

- Built and deployed an automated trading bot on a Linux VPS: an LLM ensemble for signal generation, Kelly-criterion position sizing, a multi-layer risk-management system, a Flask monitoring dashboard, and a 20-command operations interface.

NBA Analytics Pipeline — *Python, dbt, DuckDB, Plotly Dash* • *nba-analytics-mzv8.onrender.com*

- End-to-end data pipeline ingesting 500+ NBA player records nightly via public API, transforming through dbt staging models with 7 automated data quality tests, and surfacing insights via a live Plotly Dash dashboard with 5 interactive filters (position, age, minutes, team, games played) and an Impact Score leaderboard.

EDUCATION & CERTIFICATIONS

B.A., Computer Science — Florida International University

May 2021

Certified Apple Learning Coach (2025)