

LUIS DAVID RUIZ SANTIAGO

Technology Analyst

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[LinkedIn](#) - [GitHub](#) - [Tableau Public](#) - [Portfolio](#)

SUMMARY

Enterprise Architecture Analyst with expertise in data analytics, cloud services (AWS/Azure), automation (Python/PowerShell), and resiliency engineering. Proven ability to document architecture patterns, analyze system requirements, and collaborate with cross-functional teams to align technology with business goals. Skilled in technical writing and process optimization—certified in AWS, Azure, and Lean Six Sigma for data-driven decision-making.

TECHNICAL SKILLS

Cloud & Automation: AWS, Azure, Python, PowerShell, Terraform (IaC)

Documentation & Analysis: Technical Writing, Process Mapping (Visio), Requirements Elicitation

Collaboration Tools: Jira, Confluence, Agile Methodologies

Data Analysis: Excel (Pivot tables, dashboards, PowerQuery, modeling), Python (Pandas, Numpy, Matplotlib, Plotly), Statistics

SELECT PROJECTS

EPA Air Quality Data Collection AI Agent - [Lindy Agent Workflow](#)

- Build an AI agent workflow with Lindy to automate the collection of air quality data from the EPA website using their API
- Agent can be triggered adhoc or follow a set schedule with a human-in-the-loop guardrail to confirm and authorize the data collection process
- When the task is done, the agent exports the data onto a Google Sheets spreadsheet and sends an email with a summary of results and a link to the worksheet.

Cloudmart E-commerce Website Deployment

- Leverage generative AI to assist in the creation of a Terraform script to provision AWS S3 buckets and DynamoDB tables
- Set up Docker environment using Dockerfile and buildspec file to create images and push them to AWS ECR repos
- Automate deployment with AWS CodePipeline by setting up the connection to GitHub, creating the repo, and pushing changes to trigger the pipeline
- Set up AI agents using Amazon Bedrock and OpenAI to handle product recommendations, customer interactions, and complaints

Pet Medication Scheduler- [app link](#)

- The pet medication scheduler is an application that lets pet owners set, manage, and visualize the dosage calendar for medications
- Features include input of pet information, setting medication details like dose and duration, clearing or updating medication data, downloading a PDF version, and providing visual feedback to let the user know of any errors
- Backend is built on Python and Flask, frontend is built with HTML, CSS, and JavaScript, deployed in Heroku

EXPERIENCE

Healthcare Data Analytics Externship - **Extern**, Columbus, OH

Jan 2026 - Mar 2026 (Exp)

- Study the effects of social determinants of health on chronic disease healthcare in rural areas in the state of Ohio
- Curated several data sources into a county-level table summarizing health outcomes based on social factors like rurality, poverty rate, income, and education

Technology Architect Analyst - **Accenture**, Columbus, OH

Jun 2022 - Dec 2024

- Staffed across client engagements in digital transformation, cloud migration, and systems modernization for clients in the finance, fast food, and retail sectors
- Spearheaded documentation and testing frameworks for a multiplatform SaaS application, including authoring dozens of user stories for QA teams, creating a Product Playbook detailing feature entry points, cross-platform workflows, and ideal user paths to drive testing efficiency, and developing a Testing Matrix to standardize post-release validation to reduce duplication risk. Progress was tracked using Jira
- Led data validation and cleanup for legacy system modernization, ensuring accuracy for cloud migration, and identification of data gaps by comparing transaction logs to application outputs
- Designed a data workflow diagram and revamped training documentation to accelerate the onboarding of client teams
- Managed client-facing slides for sprint progress, risks, and blockers to improve transparency and maintain communication
- Collaborated with infrastructure teams to analyze system usage patterns and optimize SLAs, reducing downtime

Fulfillment Center Associate I - **Amazon CMH4**, West Jefferson, OH

Nov 2025 - Present | Sep 2021 - Apr 2022

- Ensure fast and accurate transfer of 2000-2500 items per day from inventory to packing with a low DPMO count
- Stow items to add them to inventory, perform quality tests to ensure accurate item count, and pack the items securely for shipment
- Follow 5S guidelines to maintain a clean and safe workstation

CERTIFICATIONS

- **Data Modeling in Snowflake & dbt** (Datacamp), 2025
- **AI Agents and Agentic AI in Python** (Coursera, Vanderbilt University), 2025
- **IBM Data Analyst Professional Certificate** (Coursera), 2020
- **Data Analytics Certificate** (Thinkful), 2021
- **Certified Lean Six Sigma Yellow Belt Professional** (Six Sigma Global Institute), 2021
- **AWS Certified Cloud Practitioner CLF-01**, 2024
- **Azure Fundamentals AZ-900 & AI900**, 2024
- **Databricks Lakehouse Fundamentals**, 2024

EDUCATION

University of Akron

Doctorate Coursework in Polymer Engineering (No degree)

Sep 2016 - Oct 2018

University of Rochester - River Campus

Alternative Energy - Chemical Engineering, M.Sc.

Sep 2013 - May 2015

University of Puerto Rico - Mayaguez

Chemical Engineering, B.Sc.

Aug 2007 - Jun 2013