Dustin Cremascoli

Data Solutions Architect

Innovative Data Architect and Financial Strategist leveraging deep domain expertise to build next-generation analytics tools. Skilled in transforming manual business processes into automated, cloud-native systems using Python and SQL. Passionate about democratizing data access for non-technical users through the implementation of Text-to-SQL technologies and intuitive, data-driven web applications.

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SKILLS

Python | SQL | Bash-Linux | Claude Code CLI | Cloud Platforms (AWS, GCP, Azure) | RDBMS: Postgres, MySQL | ETL/ELT | NoSQL: Mongo DB | Web Apps: Flask | Git & GitHub | Statistical Analysis | Data Visualization | Power BI

WORK EXPERIENCE

Analytics and Finance Director

SYW Financial Services (Transformco LLC)

10/2015 - Present *Chicago, IL*

Achievements/Tasks

- Designed and implemented a Text-to-SQL web application using Python, LangChain, and Google Gemini, enabling non-technical users to execute complex queries against an internal PostgreSQL database via natural language.
- Architected and deployed a full-stack solution on AWS EC2 behind nginx and TLS, pairing a Streamlit front-end with an MCP server that runs only validated, read-only queries against a self-hosted PostgreSQL database.
- Engineered an end-to-end Python automation pipeline integrating Gmail, OpenPyXL, and PyPDF APIs to programmatically extract, parse, and verify daily financial redemption data from PDF invoices.
- Designed a serverless cloud architecture (GCP/AWS) to schedule and execute routine financial workflows, reducing manual data entry errors and ensuring timely vendor payments through automated verification and routing.
- Ensured corporate financial controls existed within the Financial Services business. Provided ad hoc reporting and analysis as needed to help drive positive results, providing analytics support using Database (SQL) expertise.

Business Finance Manager

Sears & Kmart Sporting Goods

12/2013 - 10/2015

Achievements/Tasks

- Full responsibility for planning (both high level and unit), forecasting, analysis, reporting, and ensuring controls are in place for all Sporting Goods categories within the Sears and Kmart formats. Routinely partner with the Business Unit CFO and leadership team in monitoring and addressing any issues related to the financial performance.
- Partner in business and line reviews with the buying teams and senior management.
- Consistently manage the markdown review and approval process.

WORK EXPERIENCE

Data and Analytics Manager
Sears Hometown & Outlet

01/2007 - 12/2013

Achievements/Tasks

- Recipient of the SHC Finance "Make More Money" Award. Developed numerous reports to help the Off-Mall business units discuss results with senior leadership teams. These reports included transaction value reporting and district region comp sales reporting.
- Initiated development efforts toward identification of new data sources to applying new insight approaches to existing data.
- Led cross-functional teams to ensure the proper development of store plans as part of the annual planning cycle for all Hometown store formats. Developed, refined, and loaded profit and loss statement plans into financial system for approximately 1,100 locations.

Business Intelligence Analyst
The Great Indoors

06/2000 - 01/2007

Achievements/Tasks

- Created and implemented an automated database model to efficiently price all clearance merchandise (approximately 9 million dollars of inventory - quarterly.) The primary goals of the process were to liquidate clearance merchandise within a six-month timeframe while minimizing gross profit deterioration.
- Developed and implemented analytic tools that support the business planning processes; initiating and overseeing business transforming initiatives from concept, through testing, to final implementation.
- Responsible for successfully planning and forecasting sales for all TGI merchandise businesses (yearly sales of over 500 million dollars.)

EDUCATION

Master Education in Leadership & Administration
Loyola University Chicago

09/2000 - 06/2006

CERTIFICATES

PCPP1 – Certified Professional Python Programmer (01/2023 - Present)
OpenEDG Python Institute

PCAP – Certified Associate in Python Programming (06/2021 - Present)
OpenEDG Python Institute

DeepLearning.AI Data Engineering by DeepLearning.AI & Amazon Web Services (01/2025 - Present)
DeepLearning.AI on Coursera