

# Demetrios J. Kopatsis

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## EXPERIENCE

### E-Commerce Data Engineer

Glendale, CA

LA Balloons

May 2023 – Present

- Architected a scalable PostgreSQL sales analytics database integrating Shopify, WordPress, and CSV data streams; enabled advanced, segmented financial reporting delivered via stylized Excel files for end users
- Led backend management for product metadata across Shopify and WordPress, implementing structured data models to standardize internal and customer-facing information
- Built a custom Go-based automation pipeline for Etsy API to fully manage product listings and order fulfillment, driving efficiency across an external sales channel portfolio including Walmart and Amazon
- Engineered a zero-manual-touch media asset and file syncing system to bridge Dropbox and Shopify via APIs
- Owned SEO optimization pipeline including keyword strategy, metadata structuring, and collection management, consistently securing first-page to first-result Google and Bing ranking for key products

### COVID Vaccine and Testing Administrator

Los Angeles, CA

AMI Expeditionary Healthcare

Jan 2022 – Sept 2022

- Directed management of student and staff COVID vaccination and testing data within LAUSD district database
- Collaborated with elementary, middle, and high school administrative staff to guide logistics for in-school testing and vaccination services across the San Fernando Valley region of the district
- Comprehensively trained in protocols for COVID PCR/Rapid Tests and Moderna Vaccines

## EDUCATION

### Oregon State University

June 2022 – Dec 2024

Bachelor of Science in Computer Science

GPA: 3.86

- Relevant Completed Coursework: Discrete Structures, Assembly Language, Web Development, Data Structures, Software Engineering I & II, Computer Networks, Database Administration, and Cloud Application Development
- Member of College of Engineering and Computer Science Honor Roll List

### California Polytechnic State University, San Luis Obispo

Sept 2016 – June 2020

Bachelor of Science in Business Administration

- Dual Degree Concentration in Financial Management and Accounting with Dean's List Honors

## PROJECTS

### Internal Sales Report Platform - LA Balloons | PostgreSQL, Go, Excel

Dec 2023 – Present

- Built a scalable reporting platform for sales and financial analytics with Go-based automation for advanced querying, integrating Shopify, WordPress, and CSV data into a centralized PostgreSQL database
- Automated monthly revenue analysis and quarterly tax remittance reporting with Excel output, segmented by customer type, sales channel, and region, streamlining financial insights and compliance
- Enabled custom, on-demand report generation for non-technical users via flexible input parameters
- Prototyping natural language query using OpenAI to generate structured reports from non-technical user input

### Shorten Track: [github.com/kopatsis/stn](https://github.com/kopatsis/stn) | Go, PostgreSQL, MongoDB, Redis, SvelteKit

Mar 2024 – Present

- Built high-performance URL shortener with SvelteKit frontend and Go/Gin backend, featuring base64 numerical ID encoding and Redis caching with dedicated server for near-instant redirects
- Logged detailed click analytics to MongoDB via asynchronous event tracking system
- Integrated Stripe for paid subscriptions with access to CSV exports, advanced analytics, and custom handles
- Built QR code generation, analytics dashboard, and secured proprietary auth system

## TECHNICAL SKILLS

**Programming Languages:** Golang, Python, Java, JavaScript/TypeScript, SQL, HTML/CSS, Liquid

**Frameworks/Databases:** Gin Gonic, Flask, SvelteKit, Redis, MySQL, PostgreSQL, MongoDB, S3

**Developer/Data Tools:** Git, GitHub, Docker, Kubernetes, Google Cloud, AWS, BackBlaze, BigQuery

**Other Technologies:** Microsoft Excel, Access, Power BI, Looker Studio, SAP, Shopify, WordPress