

# HENRY MELENDEZ

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## Software Developer

Java and SQL Developer— I work with code to provide actionable insights.

### TECHNICAL SKILLS

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- Web Technologies: RESTful API's, JSON, Angular, Jenkins
- Tools and Technologies: Dockers, Maven, Junit, Mockito, Kafka, RabbitMQ, Kubernetes
- Database Management: PostgreSQL, MongoDB, MySQL, Hibernate
- Programming: Java, Python, SQL, HTML, Unix, CSS3
- Frameworks: Spring Boot, Spring Cloud, JPA: Relational Databases
- Agile Environments: Jira, Trello; Version Control: GitHub
- Cloud: AWS Services

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### PROFESSIONAL EXPERIENCE

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**AMAZON WEB SERVICES**, Seattle, WA

**2022 – Present**

**Software Development Engineer**

*Service Catalog is a service that allows organizations to create and manage its services.* Primary function is to Service Catalog, IT administrators can create a catalog of IT services that are pre-configured, validated, and compliant.

- Performing ETL on Redshift database's using AWS Glue and PySpark collecting metrics on API services for the managerial team
- Implemented enterprise applications of the service catalog using Java, Python, AWS, and DynamoDB.
- Verifying test procedures for Git Connections which reduced bugs in production by 10% resulting in reducing the workload to on call team members.

**BUYERS EDGE PLATFORM**, Boston, MA

**2021 – 2022**

**Data Engineering Analyst**

*Buyers Edge is a group purchasing and digital procurement company.* Played a pivotal role in transforming data from various sources into easily analyzable formats for Buyers Edge.

- Collaborate with cross-functional teams to address data issues and support data infrastructure reducing tickets by 50% increasing customer satisfaction.
- Maintain and test infrastructure for data and handle data pipeline operations for 20,000 customers to draw insight from their spend data.

**CURRENT STACK & COMPLEXITY:** Java, MySQL, Python for data cleaning; Amazon Redshift. Manage datasets from hundreds of distributors, customers and manufacturers totaling 12 billion lines of transactions. Team processes 250 million files a year.

**CHOSEN FOODS, LLC.**, San Diego, CA

**2019 – 2021**

**Logistics Analyst** (2019 – 2021)

**Junior Cost Analyst** (2019)

*A food manufacturing and distribution company.* Tracked and analyzed logistics data, transactions, and inventory transfers. Developed reports and tools in Excel and Python, created and maintained backlog/back-order management tools, performed ETL and root-cause processes, and created SQL schemas to query and automation for reports.

**DELIVERABLES:**

- Created a profitability report that measured revenue and broke down costs, allowing insight on profitability per item – saved the company \$10M in costs due to improved visibility to costs associated with specific distributors
- Created an Actual vs. Forecast tool that measured the closeness of forecasted sales – improved the accuracy of production in supply chain with a 45-day lead time

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## MILITARY & PAST WORK EXPERIENCE

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Accounting Clerk, NEW WAY LANDSCAPE AND TREE SERVICES INC., San Diego, CA	2018 – 2019
Airplane Technician, AFFORDABLE ENGINEERING SERVICES, Coronado, CA	2015 – 2018
Accounting Clerk, MELENDEZ ELECTRIC, Inc., Boston, MA	2014 – 2015
Inventory Auditing Technician, RGIS, San Diego, CA	Summer, 2013
Corporal, UNITED STATES MARINE CORPS, San Diego, CA	2008 – 2012
<ul style="list-style-type: none"><li>– Served as an Airframe Mechanic and Technical Publications Librarian – managed a staff of eight, Secret clearance</li><li>– Completed a tour (2011) in Afghanistan, assisting NATO operations with aircraft maintenance and recovery</li><li>– Received several medals: NATO Forces, Global War on Terrorism, National Security, and Good Conduct medals</li></ul>	

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## JAVA DEVELOPER PROJECTS

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### PROJECTS:

- Built a Spring MVC project utilizing Hibernate, and MySQL that tracks a user's workouts and meal and maintains a daily log of their workout meals and any books they have read.
- Developed a scalable and resilient microservices-based system using Spring Cloud, React, and Docker. Implemented Eureka for service discovery, Zipkin for distributed tracing, OpenFeign for simplified inter-service communication, and Resilience4j for fault tolerance. Configured API gateway to handle requests, Spring Cloud Config Server for centralized configuration management, and Spring Cloud Bus for dynamic configuration updates. Successfully delivered a high-performance application with seamless integration.
- Built an Airbnb API to provide front end team price recommendations based on machine learning using site-specific data such as room time, date of visit, and location. Utilized convolutional neural networks to create the predicative model.

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## EDUCATION ... CERTIFICATIONS ... TRAINING

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**Bachelor of Science (B.S.)**, Computer Science, Western Governors University, Seattle, WA, 2023 – 2024

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**Bachelor of Science (B.S.)**, Financial Management, National University, La Jolla, CA, 2012 – 2016

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**Java Engineer**, Skill Distillery, 2022 – Present

A 4-month fulltime full-stack java developer program – 1500+ hours programming with Java and SQL

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**San Diego College of Continuing Education**, 2020 – 2021

Python Programming Certificate | Server-Side Web Development Certificate