

Bob Pore

(415) 624-6535 | bob.pore@gmail.com | <https://www.bobpore.com>

Seattle, WA

AMAZON

Data Engineering Manager, Internal Audit

September 2022 – present

- Led strategy and development of the petabyte scale Internal Audit Data Lake utilized by over 280 business audits for enterprise-wide controls testing and adhoc analysis across over 160 business units as well as supporting adhoc analytics and data science initiatives.
- Led design and implementation of agentic data onboarding framework and MCP reducing the time to discover, gain access, and begin exploring new data by 80%.
- Managed a team of 8 data engineers including indirectly managing junior engineers and interns through senior engineers with a 93% favorability rating for 2024 and an 83% retention rate over 3 years.
- Implemented robust data quality control process including implementing a staging layer in the data lake and a data profiling mechanism to prevent 97% of quality issues from reaching data lake customers.
- Managed employee career development including regular performance check ins, promoting employees, and managing underperforming employees through improvement plans.
- Implemented team development cycle including implementing sprint system, on-call rotation, and regular reporting to leadership.
- Grew monthly active data lake users from 30 to over 100 through data democratization efforts.
- Launched Security Scorecard with Internal Audit Security Team utilizing the IA Data Lake as core source automating 30% of audit findings from data.

Senior Data Engineer, Internal Audit

July 2022 – September 2022

- Led development of Data Quality Inspector application to assess data freshness and integrity issues on over 1700 tables in the data lake daily leading to over 1400 data quality detections since launch.

Data Engineer, Internal Audit

December 2019 – July 2022

- Created data lake coding standards as the department's first data engineer establishing version control and infrastructure as code.
- Threat modeled existing data architecture and mitigated 16 critical risks to meet Amazon security standards.
- Created bespoke ETL pipelines to harvest data from internal Amazon services and produce data tables that were queried over 26K times from human users and 13K from service users.
- Implemented automatic password expiration and rotation for database users eliminating user password sharing.
- Reconfigured the workload management for the department Redshift cluster reducing query wait time by 32%.
- Automated permissioning for Internal Audit's governance application saving 480 human hours manually managing permissions.
- Designed and implemented a dataset to enumerate attack vectors across 300K internal AWS accounts leading to privilege escalation discoveries in 60 business audits.

Business Intelligence Engineer, Shopper Marketing

November 2018 – December 2019

- Optimized analytics to process terabytes of impression level customer search data leading to a savings of over 650 hours for a new analytics program launch.
- Developed natural language processing techniques to determine customer search intent supporting a new marketing product.

Business Analyst, Shopper Marketing

March 2017 – November 2018

- Automated and refined the analytics of a new Amazon Marketing product collaborating with Product Managers.
- Generated analytical reports and presented insights to major brands including Coca-Cola, Neutrogena, Nature Valley, and Adidas
- Automated the creation of Shopper Marketing slide deck presentations and data extraction with bespoke analytical insights saving 82% of the time off of deck creation and data preparation.
- Defined methodology and automation of customer review insights to incorporate sentiment analysis to highlight consumer concerns as a new feature of Amazon Insights Premium.

ZULILY

Seattle, WA

Acquisition Program Analyst, Marketing

February 2015 – June 2016

- Built Tableau dashboards to track acquisition metrics for zulily's customer acquisition program.
- Automated extraction of third-party marketing service data and loading into GCP for use in Google BigQuery saving 2 hours of daily database management.
- Automated reports to send to third party marketing partners saving marketing managers over an hour a day.

Operations Generalist, Customer Service

October 2013 – February 2015

- Established reporting for the Operations team including developing KPIs and a reporting template for department leadership.
- Created Visual Basic application to automate the loading of email templates to dropship vendors reducing the time to escalate

TECHNICAL SKILLS

AWS Big Data and Compute Technologies: S3, Redshift, Glue, Athena, EMR, Kinesis, Cloudformation, Lambda, EC2, BedRock, AgentCore

Programming Languages: SQL, Python, PySpark, CDK | **Data Visualization:** Tableau, Quicksight, redash

Data Engineering: Data Modeling, Query Optimization, Performance Tuning | **Microsoft Office Suite:** Excel, PowerPoint, Word

EDUCATION

THE UNIVERSITY OF PUGET SOUND – Bachelor of Arts – Double Major in Politics & Government and Theatre Arts

Tacoma, WA