

Prithaj Nath

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Technologies

Languages: Python, SQL, Ruby, JavaScript, Golang

DevOps: Docker, Terraform, Kubernetes, AWS EC2/Lambda/ELB/EKS/SNS/SQS

Databases: PostgreSQL, BigQuery, Snowflake, Redshift

Experience

Software Engineer

Singuli, Inc

New York, New York

May 2022 to May 2024

- Implemented ETL pipelines to daily ingest data on sales and inventory using Airflow, Python and SQL
- Added sanity checks to ensure data quality for machine learning algorithms like k-nearest neighbors and regression models for time-series data.
- Analyzed inventory and sales data from clients' competitors using SQL and Redshift
- Improved API response time by 50% (10s to 4.8s) through PostgreSQL query optimization that enabled real-time reports on historical sales and inventory data
- Reduced Redis memory footprint by 60% by re-factoring background job module
- Eliminated database migration errors in CircleCI by creating a Bash script that validates the migration tree on every new pull request
- Coordinated with front-end team to implement new REST API endpoints with rigorous unit testing using Flask and SQLAlchemy

Integration Engineer

Faraday, Inc

Burlington, VT

June 2019 to May 2022

- Implemented ETL pipelines on Kubernetes (EKS) to ingest customer data and geospatial data using Python, Ruby, SQL and BigQuery
- Implemented micro-services in Python and Ruby to seed Facebook lookalike audiences with AI powered cohorts and increased client ROAS by 50%
- Implemented a micro-service in Python to deploy AI powered bid modifiers to Google Ads at the zip code level and increased client conversion rates by 38%

Jr Data Scientist

IXIS Digital

Burlington, VT

Aug. 2017 to Sept. 2019

- Analyzed e-commerce data from Google Analytics and Adobe Analytics and generated ad-hoc reports using R, SQL and Python
- Implemented CI/CD pipelines for bare metal servers using Docker and GitLab CI

Education

SUNY Plattsburgh

BS in Computer Science

Aug. 2013 to May 2017

- **Coursework:** Data Mining, Linear Algebra I & II, Probability And Statistics, Design And Analysis Of Algorithms, Databases And Web Applications

Projects

My Secret Santa

- Launched a top 20 web app on Product Hunt for highly randomized Secret Santa draws that reached 100+ users from US, Canada, India, Ukraine, France and more
- Implemented features like OAuth login, notifications, anonymous messaging etc using Flask, SQLAlchemy, Celery, Redis and PostgreSQL