

# Prithaj Nath

📍 Burlington, VT    ✉ prithajnath@gmail.com    ☎ +1 518 645 1487    🌐 www.prithaj.dev    in iamprithaj  
🔗 prithajnath    📱 prithajnath

## Technologies

---

**Languages:** Python, SQL, Ruby, JavaScript

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

**Databases:** PostgreSQL, BigQuery, Snowflake, Redshift

## Education

---

**University Of Vermont** Aug. 2024 to present

*M.S. in Computer Science with a specialization in complex systems*

**SUNY Plattsburgh** Aug. 2013 to May 2017

*B.S. in Computer Science*

## Experience

---

**Software Engineer** New York, New York

*Singuli, Inc*

*May 2022 to May 2024*

- Reduced median client onboarding time by 80% by implementing ETL pipelines to daily ingest sales, inventory and revenue data using Apache Airflow, Python and SQL
- Improved forecast quality by 20% by adding sanity checks to ensure data quality for machine learning algorithms like k-means clustering and time-series regression
- Increased number of prospective clients by 30% by implementing a competitor dashboard by analyzing inventory, revenue and sales data from clients' competitors using Flask, SQL, PostgreSQL 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

**Integration Engineer**

*Burlington, VT*

*Faraday, Inc*

*June 2019 to May 2022*

- Implemented ETL pipelines on Kubernetes (EKS) to ingest customer data and geospatial data from 50+ data sources 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 clients' ad campaign conversion rates by 38%

**Jr Data Scientist**

*Burlington, VT*

*IXIS Digital*

*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
- Built a Python tool to concurrently scrape 100+ sites and keep track of changes in critical DOM elements

## 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