Sriranjan Sribhashyam

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SUMMARY

I am a Software Engineer in Machine Learning with 3.5 years of experience in building data-pipleines and deploying ML models using Python. I am eligible for a **2 year visa**.

TECHNICAL SKILLS

Languages & Frameworks: SQL, Python, Typescript, React, Next.js
DevOps: CI/CD, Docker, Bazel, AWS SAA Certified (SAAC02)
Data Management: ETL pipelines, dbt, Snowflake, FiveTran
Data Science & ML: pandas & dask, PyTorch, matplotlib, scikit-learn, OpenAI APIs

EXPERIENCE

Software Engineer — Feb 2021 – Present
ChipperCash — *Los Angeles, USA*
- Deployed ML models for inference as a microservice using Flask REST APIs, served over an event-driven architecture using RabbitMQ that handled >1000 requests per minute.
- Implemented an ETL batch pipeline for computing user risk rating using Python, pandas (dask) & dbt models processing 10M+ rows in ~2 hours and providing analysts with fresh data in Snowflake.
- Productionized a heuristic using XGBoost and a Python ETL data pipeline to predict user risk at onboarding, which helped cut referral fraud by 60% and saved $350k.
- Created a ML model to forecast chargeback likelihood on card deposits, using transaction velocity and previous chargeback history as key features, effectively blocking ~$1.5M in high-risk deposits.
- Devised an automated Python data pipeline that declined up to 100 chargebacks per minute, thereby saving 200 hours of manual labor and preventing potential losses of ~$4M.
- Collaborated with PMs and Marketing to build a full-stack in-app messaging system, spanning React Native screens in the Mobile App, to backend REST APIs with TypeScript - thereby saving ~$80k/year by phasing out vendors.

Data Engineer — May 2020 – Dec 2020
Data Sleek — *Los Angeles, USA*
- Collaborated with 5+ clients to design, translate and implement business requirements into a technical spec.
- Delivered SQL stored procedures that perform analytical queries to detect and alert customers for changes in desired metrics, saving up to 20% of the base cost per item.
- Performed benchmark tests for several SingleStore configurations to determine optimal configuration for Time Series data, saving $475/year while improving performance by 400%.

Software Engineer Intern — May 2018 – July 2018
Samsung Research — *Bengaluru, India*
- Set up Open Network Automation Platform on a local server on top of Openstack, using docker containers, laying the foundation for dynamically scalable ML applications based on resource requirements.
- Upgraded the ETL pipeline by deploying to Apache Kafka for streaming data to the microservice.

EDUCATION

University of California, Los Angeles — Sep 2019 – Dec 2020
Masters of Science in Business Analytics — *Los Angeles, USA*
College of Engineering Guindy — Jul 2015 – May 2019
B.S. Computer Science & Engineering — *Chennai, India*

PROJECTS

Youtube Video Search | *Python, OpenAI, Next.js, PostgreSQL, Typescript* — github.com/youtube-search
- Created a website that video-searched podcasts of a popular YouTube channel. Converted raw data into audio and transcribed it using whisper.cpp.
- Used pgvector to store and query embeddings, and generated context summary with gpt-3.5-turbo.

MyAnimeList CLI | *Rust* — github.com/mal
- Created an interactive CLI client in Rust to list anime based on a user's profile.
- Display detailed information regarding a show by parsing API.