Sriranjan Sribhashyam

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SUMMARY

I am a Fullstack Engineer with 4 years of experience in building microservices & product features with TypeScript, Node.JS and PostgreSQL. I am eligible for a **2 year visa**.

TECHNICAL SKILLS

Languages & Frameworks: Python, Javascript / TypeScript, Java, React (Next.js), Rust
API Development: Express, Flask (REST APIs), Jest
DevOps & Testing: RabbitMQ, Docker, Airflow, Kafka, CI/CD (SemaphoreCI & GitHub Actions))
Data Management: SQL, PostgreSQL, TypeORM, Prisma
Cloud Management & Certificatons: AWS SAA Certified (SAAC02), GCP

EXPERIENCE

Software Engineer   Feb 2021 – June 2024
ChipperCash   *Los Angeles, USA*
- 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.
- Deployed a ML model for inference as a microservice using Flask API's and docker, served over RabbitMQ to predict chargeback probability and thereby block high-risk deposits worth ∼$1.5M.
- Improved Python ETL pipeline builds in Bazel by adding requirements.txt lockfiles, cutting build times by ∼23%.
- Leveraged Docker and blue-green deployments for microservices to migrate existing user screening to an open-source solution with 0 downtime, saving about $200k/month.
- Devised a Python data pipeline that declined up to 100 chargebacks per minute, thereby saving 200 hours of manual labor and preventing potential losses of ∼$4M.
- Architected an event-driven system for bulk push notifications across iOS and Android platforms utilizing RabbitMQ and Firebase Topics, enabling communication with over 10M users within minutes.

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 .