

# 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, script / TypeScript, , 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](https://github.com/ranjan31051997/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](https://github.com/ranjan31051997/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 .