

Sriranjan Sribhashyam

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SUMMARY

I am a Backend Software Engineer with 3.5 years of experience in building microservices & data-pipelines using Python (Flask) & TypeScript (Node.js). I am eligible for a **2 year visa**.

TECHNICAL SKILLS

Languages & Frameworks: Python, TypeScript, Next.js, Rust
API Development: Flask, Express (REST APIs)
DevOps: RabbitMQ, Bazel, Docker, CI/CD (SemaphoreCI & GitHub Actions),
Data Management: SQL, PostgreSQL, TypeORM, Prisma
Certifications: AWS SAA Certified (SAAC02)

EXPERIENCE

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|---|---|
| Software Engineer
<i>ChipperCash</i> | Feb 2021 – Present
<i>Los Angeles, USA</i> |
| <ul style="list-style-type: none">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
<i>Data Sleek</i> | May 2020 – Dec 2020
<i>Los Angeles, USA</i> |
| <ul style="list-style-type: none">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
<i>Samsung Research</i> | May 2018 – July 2018
<i>Bengaluru, India</i> |
| <ul style="list-style-type: none">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

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

PROJECTS

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| Youtube Video Search <i>Python, OpenAI, Next.js, PostgreSQL, TypeScript</i> | github.com/youtube-search |
| <ul style="list-style-type: none">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 <i>Rust</i> | github.com/mal |
| <ul style="list-style-type: none">Created an interactive CLI client in Rust to list anime based on a user's profile.Display detailed information regarding a show by parsing . | |