Srikanth Vemaraju

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- 9 years of experience in Backend Engineering, Databases and DevOps.
- Python, Javascript, BASH, SQL
- Django, Django Rest Framework, Flask, PostgreSQL, redis, Ansible, Terraform
- Google Cloud, AWS
- **Currently in the UK on a Skilled Worker Visa.**

~ Work Experience ~

Senior Backend Engineer	hedgehog lab, UK	Aug 2021 - Present

- Led the backend development of a consumer fitness app that was downloaded by more than 100K users in the first week of launch. I proposed multiple solutions that proved useful in handling the launch time user traffic. This included collecting profiling and performance metrics via Sentry, using Cloudfront CDN to improve latency on media content, multiple iterations of implementing caching across the API, and team wide load testing effort to gain confidence before launch.
- I also designed some crucial parts of the application: a timezone aware workout calendar which allows users (from all over the globe) to schedule their workouts or programs (series of workouts), a streak management system, and a simplified AWS Cognito authentication flow.
- Rewrote a data processing workflow that was reaching a bottleneck at 300 records per request. I was able to increase the capacity to 2000 records per request with optimised database queries.
- Worked closely with a CTO of a healthcare startup to build an v1 of an internal configuration tool. We talked with multiple teams to collect requirements and feedback on the tool we built.
- Presented internal tech talks and mentored junior developers.

Senior Software Engineer	HSBC Technology India	Nov 2019 - Jul 2021

- Member of Google Cloud core platform team responsible for all of HSBC Google Cloud.
- Led a critical software upgrade involving migrating Terraform v0.11 to v0.12 that impacted over 1000 platform projects. Engineered the terraform state file changes that enabled the upgrade without loss of resources.
- Automated multiple workflows resulting in a 30% reduction of operational workload, improving productivity and efficiency.
- I built strong relationships with internal customers, consistently gathering feedback to improve processes and enhance developer experience.

- Shared knowledge and expertise by teaching Python to colleagues and delivering valuable knowledge-sharing sessions.

Backend Engineer   hedgehog lab, India   Dec 2017 - Oct 2019
- Solved critical production issues w.r.t API response times, database queries, etc.
- Went beyond the assigned tasks by improving test coverage on legacy codebases and participating in debugging and brainstorming sessions.
- Worked on developing new features, as well as improving and maintaining existing codebases and infrastructure of over 20 applications.
- Recognized as a "Hyper Helper" for supporting the team on various tasks.

Software Developer   Fairfest Media Ltd   June 2016 - Nov 2017
- Designed a multi-tenant database architecture for a SaaS application.
- Maintained an existing PHP (Symfony) codebase with zero prior PHP experience.
- Implemented a fast and scalable web scraping service in Python using Celery.
- Built a Facebook messenger chatbot using Microsoft Bot Framework with NodeJS
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Programmer Analyst   Cognizant   May 2012 - July 2014
- Contributed heavily to internal error logging framework written in PL/SQL
- Was the 'Top Learner' in my business unit for having highest learning credits

~ Other ~

Some of my writings:
- [How do millions booking meetings with God?: System design case study.](#)
- [Tradeoff between Normalisation and Denormalisation when Scaling Your API](#)
- [Start by writing *messy* code](#)
- [Deploying software is like opening a bakery](#)
- [How can a backend developer contribute to a seamless user experience?](#)

~ Education ~

VIT University, Vellore   June 2008 - May 2012
- Bachelors in Electronics and Communication Engg. (GPA 8.27/10)