

Srikanth Vemaraju

Newcastle, United Kingdom
srikanth.vemaraju@gmail.com

- 9 years of experience in Backend Engineering, Databases and DevOps.
- Python, Javascript, BASH, SQL, Go
- Django, Django Rest Framework, Flask, PostgreSQL, redis, Docker, 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.

Sr 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 rewrites that enabled the upgrade without loss of resources.
- Built an event driven system using Cloud Functions, Google Pub/Sub and BigQuery that retired non-compliant cloud resources and notified relevant teams.
- Designed a self service devops process for on-boarding new projects resulting in a 30% reduction of operational workload.

- | | | |
|--|---------------------|---------------------|
| Backend Engineer | hedgehog lab, India | Dec 2017 - Oct 2019 |
| <ul style="list-style-type: none"> 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. | | |

- 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

- Contributed heavily to internal error logging framework written in PL/SQL
- Was the 'Top Learner' in my business unit for having highest learning credits

- [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?](#)

- Bachelors in Electronics and Communication Engg. (GPA 8.27/10)