

# Harish Sambasivam

Software Engineer

Tech Enthusiast by passion and an engineer by nomenclature with core hands-on experience in implementing solutions using a wide range of technologies. Presently looking for an exciting full stack or backend engineering role.

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#### **WORK EXPERIENCE**

## Software Engineer Byju's (Think & Learn)

03/2022 - Present

Banglore, India

Achievements/Tasks

- led and managed the development activities for the post-call analytics system at Byju's, which involved automating the entire voice call auditing process
- Delivered \$27,000 monthly savings by optimizing AWS cloud resources through the network, compute, and storage analysis and implementing necessary changes.
- Designed and developed a MERN Stack application for managing inhouse mongo clusters, serverless functions, and triggers through a user-friendly UI, similar to Mongo Atlas.
- Developed and managed the user management service, the centralized authentication service for Byiu's microservices.
- Accomplished the implementation of end-to-end distributed tracing and application monitoring for over 15 services, resulting in improved monitoring of service dependencies, efficient error identification, and reduced production incident MTTR
- Executed many prototypes and POC's to determine how well they meet the technical requirements.

# **Associate Software Developer Zappyworks Software Solutions**

05/2021 - 03/2022

Chennai. India

Achievements/Tasks

- Contributed to the development of political campaign software that enabled a party to go fully paperless.
- Successfully migrated serverful REST APIs to serverless, achieving auto-scaling on-demand, improved availability, and reduced costs.
- Implemented and delivered multiple complex backend projects involving OAuth, data modeling, query optimization, and integrations.
- Designed and developed reusable components and dashboard widgets using ReactJS.
- Provided technical guidance to the team and conducted code reviews to ensure adherence to coding standards.

# **Backend Developer (FreeLance)**

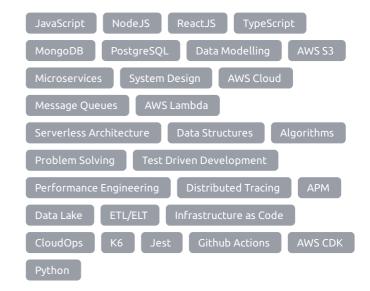
Huut - Voice first social media platform

12/2020 - 04/2021

Chennai, India

- Achievements/Tasks
- Contributed to the development of a user feed service, involving timeline fetching based on likes, comments of followee, merging duplicate posts, and removal of blocked user posts.
- Implemented user service endpoints for user creation, following, contact syncing, and blocking.
- Developed UI for monitoring reported posts and users using React IS.
- Developed API tests using Postman and performance test scripts using k6 to ensure service stability for various microservices.

### **SKILLS**



#### **PROJECTS**

#### Post Call Analytics (Call Auditing System)

- Lead development activities of post and pre integration microservices
- Improved the ETL performance by hive partitioning the data lake
- Optimised SQL queries to reduce data scanned from data lake and improve performance
- Aided in translating business requirements to technical specifications

#### BYJU's User Management System

- Maintained the central identity and access management for the B2B
- Contributed to troubleshooting on various production issues and provide resolution in short turn around time.

- Involved in 0 to 1 development of huut and delivered the backend microservices on planned timeline
- Helped identifying performance bottlenecks of backend services using k6 performance tests and benchmarks
- Implemented rate limiting to secure backend services from dos attacks

#### **ACHIEVEMENTS**

Reduced \$27,000 monthly AWS cost by optimizing the resources.

Scaled the Infrastructure of user management system to 1000 rps for BYJU's AP Government app launch

Reduced 70% of production incidents by implementing APM and alerting.