

Vishal K S

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Work Experience

Tech Lead/Founding Eng, Bestever

May 2023 - Current

Golang, Python, Typescript, GCP,
Postgres, OpenSearch

- Tech Lead handling the planning of product + engineering priorities and architecture, while being an individual contributor.
- Developed the backend pipelines with AI integrations for data/creative report generation that feeds into the in-house creative generator.
- Core member of a remote seed startup based out of San Francisco, helping raise the seed round.
- Designed, developed and deployed onto GCP the backend for the iOS, web, and the Shopify app as the only backend dev in a total team of 5 during early stages.

Software Engineer II, Akamai Technologies

Jan 2018 - June 2021 (Developer Productivity)

Full Stack, Postgres,
Spring, ELK, ML

- Developed and deployed over 200 monitoring metrics for critical systems of Git, Jira, Confluence and Perforce for Akamai, with almost negligible performance impact to the systems involved.
- Designed and developed the front end and back end for an internal git auditing tool for Akamai. Set up apache, Postgres, mount points along with their replications with their DR (Disaster Recovery) site and handled the application from an admin perspective.
- Helped in designing the distributed proactive monitoring as a service application for the teams in Akamai. Guided the team in deciding the learning algorithms involved in suiting our requirements.

Software Engineer Intern, TigerGraph

June 2022 – September 2022 (Query Optimization)

Protobuf, Graph DB,
GSQL, Junit

- Feature to retrieve statistics and histograms for edge & datetime attributes for transition from heuristic to cost based optimizer, merged to latest release.
- Designed and developed DDL statements capability for creating/showing/dropping histograms through the GSQL shell. Merged to latest release.
- Designed and developed post process hooks to clear statistics on drop of vertex/edges/graphs. Designed and covered test cases for all features.

Academic Experience

Generation of chords given the melody

Machine learning, Music

- Generated the chords of a music sequence given a melody to help beginner pianists.
- Generated a dataset of melody/chords mapping by recording Midi data of classic pop songs.
- Trained the mapping with the help of KNN-HMM mapping, CNN, LSTM, and other models, and analyzed performance.
- Generated both melody and chords given the mapping with the help of a n-gram learning model.

Education

Master of Science, Computer Science

Specialization in Databases

UC San Diego

3.86 GPA

10/2021-03/2023

Bachelor of Technology, Computer Science

Specialization in Data Science

PES University, Bangalore

9.44 CGPA

2014-2018

Skill Set

- Web applications (Backend/Frontend)
- Postgres/MongoDB/Redis/OpenSearch/GraphDB
- Distributed Systems
- Telemetry/User Metrics

Achievements

• Akamai Global Hackathon

1st place (Worldwide)

Super resolution of videos at client side to improve experience for low bandwidth regions

• CNR Merit Scholarship

Obtained scholarship for being in the top 20% performers for 4 consecutive years in College

• Extracurriculars

Muay Thai

Football(/Soccer)

Backpacking & Hiking

Volunteer Work

Make a Difference

June 2018 – June 2020

Tutoring 9th graders at a shelter home the subjects of Science & Math