SHREEHARI VAASISTHA L

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OVERVIEW

As an individual I'm passionate about technology and leveraging it to address real-world challenges. I bring over 2+ years of experience in developing web applications towards creating an impact. My commitment extends beyond my core responsibilities, aiming to deliver excellence in every project I undertake.

EXPERIENCE

AI Planet formerly DPhi | Software Development Engineer
October 2021 - Present

- Architected and Developed AI Marketplace for AI/ML model deployment for seamless integration for businesses and institutes.
- Streamlined data handling with optimized MySQL and MongoDB schemas, significantly boosting performance and analytical capabilities.
- Transformed business needs into technical solutions, propelling product growth and achieving strategic objectives.

Key Responsibilities:

- Designed and developed end-to-end system for LLM deployment pipelines and dynamic scaling for inferencing, and fine-tuning.
- Enhanced API performance through database query optimization and connection pooling.
- Developed MongoDB schemas for efficient AI model request and response storage.
- Developed features/MVPs using Python, Django, and ReactJS.
- Developed and enhanced LMS platform for seamless learning through Courses, Learning Paths, Bootcamps, Live Sessions and AI Challenges.
- Ensured high code quality and promoted peer learning through meticulous code reviews adhering to industry standards.

Key Achievements:

- Reduced operational costs by 1x through database performance tuning.
- Improved model inferencing API performance by 1.5x with FastAPI for a more robust API Proxy.
- Reduced Cloud cost by enabling scaling of the models to zero during idle periods.
- Provided mentorship, aiding in the professional growth of interns.
- Architected and Developed multi-cloud solution for LLM fine-tuning, cutting costs by 1.5x.
- Architected and Developed Custom solutions for various Global IT leaders like Qualcomm, Cisco etc.
- Drove full product lifecycle from concept to deployment, delivering impactful features and fostering a data science community of over 300k members.

AI Planet formerly DPhi | Software Development Engineer - Intern
January 2021 - September 2021

- Developed scalable REST APIs for community-driven Learning Management System (LMS).
- Developed database structures and APIs for a multifaceted Technical Assessment platform, accommodating a diverse range of coding languages and question types.
- Collaborated with front-end teams to deliver intuitive APIs, elevating technical capabilities and user engagement.
- Implemented WebSocket-based synchronization for code editors, facilitating a real-time, collaborative interviewing platform.
- Refined complex SQL queries, enhanced database efficiency leading to reduction in server load.

OpenSource Contributions

KServe | Python, Kubernetes

- Added support for loading kubernetes configs using a dictionary in its Python SDK.
- Contribution - https://github.com/kserve/kserve/pull/2924

DjangoPackages | Python, Django, Django Rest Framework

- Enhanced software package versatility by implementing dual licensing capabilities and advancing licensing functionalities.
- Modernized the license validation mechanism in line with the latest trove classifiers.
- Streamlined the codebase by purging deprecated elements and transitioning from legacy to contemporary code structures.
- Optimized code for better readability and performance, ensuring a more maintainable and efficient system.
- Contribution - https://github.com/djangopackages/djangopackages/

Technical Skills

Programming Languages: Python, Golang, Javascript
Database(s): MySQL, PostgreSQL
Frameworks/Libraries: Django, Django Rest Framework, FastAPI, ReactJS
Containerization and Orchestration: Docker, Kubernetes
Cloud services: AWS, GCP

Education

Bachelor's Degree   SGPA - 7.8
Bangalore University, Bangalore, India   *August 2018 – September 2022*

Pre-University   Percentage - 70
The National PU College, Jayanagar, Bangalore, India   *August 2014 – May 2018*