Shreehari Aramanadka : Software Engineer

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SUMMARY

With $\sim$ **6 years** of industry experience in software development, I excel in crafting solutions for intricate technical challenges. Proficient in software design and development, I bring analytical prowess, effective communication, and mentorship skills to the table. As a dedicated software engineer, I am poised to contribute expertise and drive success in any project.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, NodeJs, Golang.
Web Frameworks: Django, Flask, FastAPI, Falcon.
Web Technologies: Html, CSS, JQuery, React.
Databases/Data Stores: Postgres, Mongodb, Mysql, Sqllite3, Elasticsearch, Redis, RabbitMq.
Tools and Cloud: Celery, Git, Docker, Kubernetes, Rancher, Newrelic, AWS, OpenCV, scrapy, nginx, Jira, Confluence.
Development Approaches: Test Driven Development, Domain Driven Development, CI/CD.
Project Management Approaches: Waterfall, Agile

WORK EXPERIENCE

Software Engineer

YouGov, Bangalore, Karnataka, India   *September 2020 - Present*
Projects: Profiles Lite, Brandindex Lite, Codebook, Customer Profiles, Purchase Service

- Developing and maintaining **6 microservices** responsible for operating products to serve market research insights to customers.
- Architecting Codebook v2, slashing **API response times from 3s to under 200ms** for a faster user experience.
- Designing payment integration to the SaaS product using event sourcing approach.
- Improved performance of widget **fetching apis by 40%.** This involved migrating from polling to a pub-sub mechanism and analyzing performance using metrics collected in newrelic.
- Mentoring, guiding, pair programming, code reviewing with junior members to establish best engineering practices in the products.
- Improved code coverage in a legacy system **from 70% to 95% by introducing hexagonal architecture, unittests, and integration tests.**

Senior Software Developer

K12 Techno Services Pvt. Ltd., Bangalore, Karnataka, India   *October 2018 - September 2020*
Projects: LetsEduvate ERP, QuestBox

- Improved performance of APIs in educational **ERP by 43%**, this involved introducing right indices at the database level, query optimization, and introducing caching mechanism.
- Designing and architecting multiplayer quiz to **handle 20k parallel connections** using websockets.
- Decoupled ERP applications into multiple submodules to increase maintainability, architecting permission models for granular access of features to different roles in the system.
- Establishing CI/CD for the ERP using gitlab runners deploying to aws infrastructure.
- Rapid integration of ZOOM APIs into ERP to run schools online when COVID happened.
- Lead a team of 4 backend engineers, mentoring juniors, conducting peer learning sessions, technology presentations, etc.

Analyst

Dell EMC, Bangalore, Karnataka, India   *July 2018 - October 2018*
Projects: SAP Basis Team

- Proposed and built a tool for checking production server's up/down status using Python
- Automation of report generation on server's status, using exported log files

EDUCATION

BMS Institute of Technology   **Bangalore, Karnataka, India**
Bachelor of Engineering in Computer Science - 72%   *June 2014 - July 2018*

CERTIFICATIONS

- Linkedin Learning - Kubernetes: Microservices
- Udemy - Complete Python Based Image Processing and Computer Vision