

# Shreehari Aramanadka : Software Engineer

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## SUMMARY

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With ~ **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

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**Programming Languages:** Python, JavaScript, Golang.

**Web Frameworks:** Django, Flask, FastAPI, Falcon, NodeJS.

**Web Technologies:** Html, CSS, JQuery, React.

**Databases/Data Stores:** Postgres, Mongodb, Mysql, Sqlite3, 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

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### 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

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### BMS Institute of Technology

**Bangalore, Karnataka, India**

*Bachelor of Engineering in Computer Science*

*June 2014 - July 2018*

## CERTIFICATIONS

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