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Vaibhav Ghadge

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Work Experience

Current **Jun - Dec 2019**	**Software Engineer Intern- Agrostar** **Pune, India** **Curation Logic** - Worked on curation logic for farmer app that helps farmer to show relevant content of there selected crops.Newly developed curation logic help to reduce 22% load on customer care call center and after launching it to production we get 3x more CTR on new curation logic.it also help us to increase D0-D7 retention by 3%. . - Curation logic handle 34k concurrent request in peek time try to handle most of load by redis cache. - Took ownership of the platform's most used API and refactored it with clean abstraction, error & added cache for fast response and new feature enhancements. **Ecommerce** - Did pair programming for launching MVC (V1) version of ecommerce did the entire flow of cart with offers. - After launching ecom we get daily 400-800 orders. - Refactored and new feature enhancements in the content management service to help localize notification, offers and all orders status so user can browse app in local language. - **Technology used :** Golang, Python, Redis, Kafka, Mongodb, Aws

Projects

- **OPEN Source Contribution:**
  :Contributed under linux foundation (OpenSDS SODA release)
  https://github.com/opensds/opensds/pull/1098
  https://github.com/opensds/opensds/pull/1165
  https://github.com/opensds/opensds/pull/1164
- **Sensor Data Handler Through SSE (Pub Sub) :**
  : Technology: Golang, Postgres, Docker, Nginx
  Prof.Damodar Kulkarni,CS Department, Pune University.
  10k - 20k sensor sending data simultaneously and 10k - 25k end user subscribed to sensor data we are able to send sensor processed data(validation and processing handled by trigger) to end user within 10 second through server side event.For handling the load we used worker pull model so each request get served in less time and it over come bottleneck of go-routine(if we spawn lots of go-routine).
- **Message Passing Using Socket Programming:**
  Technology: C (Socket Programming)
  Guide: Prof. Achyut K. Roy,CS Department, Pune University
  Achieved synchronization among nodes in an ad-hoc peer to peer network. Packet handling and Decentralized architecture implemented Used UDP protocol for sending packet and implemented routing, delivery protocol
- **Toy File System:**
  File System is implemented for Find,Search,Delete,Update Data From Hard Drive more efficiently by using Data structure and algorithms
- **Macro Assembler For IA-32 Architecture:**
  Technology: Python
  Guide: Prof. Nitin Patil, CS Department, Pune University
  Two pass assembler with Specific instructions from Intel Manual like add, delete, move

Technical Skills

Languages	Golang, Python, Haskell, C, Javascript
Libraries / Frameworks	React, Redux, Flask
Databases	Postgres, MongoDB, Redis
Systems / Platforms	Rest-Api, Micro-Service, Apache Kafka, Docker, Git, Linux, Vim

Education

2017-2020	Bachelors + Masters in **Computer Science and Mathematics** - Pune University CS Department, Pune Teaching assistant for Database (CS31003) and Functional Programming (CS19001)

About me

- **Hobbies: Competitive Coding, Quora, Computer Games(dota2), Reading Books**