

# Ayush Garg

## Senior Software Engineer

Software engineer with 5 years of experience in developing web platforms. Proven ability in designing and building scalable architectures.

Github: <https://github.com/ayush-garg341>

Linkedin: <https://www.linkedin.com/in/ayush-garg-5bb04114b/>

## Work History

2022-09 -  
Current

### Senior Backend Engineer

Park+, Gurgaon, India

- Single handedly built and managing an **ecommerce store** for car accessories from scratch i.e from writing docker files and pushing code to production.
- Leading it end to end from showing products to customers up to the delivery of product with a team of 3 people.
- Proactively engaging in refactoring processes to reduce technical debt, aiming for an optimal developer experience.
- Review peers' code submissions, utilizing PR reviews as a knowledge-sharing and problem-solving tool.
- Currently this application is handling **18-20 million requests/day** and **100000 orders per month** and **still growing** while adhering to the best object oriented practices.
- Reduce the **memory usage** of app server by serving static content from CDN.
- Helping us to increase the number of repeat users and DAU and MAU with this store.
- Extensive usage of caching ( redis ) to not just reduce API response time but other use cases as well like to check if customer is new or not to run



## Contact

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## Technical Profile

Senior Software Engineer

## Competencies

Python



Upper intermediate

Design Patterns



Upper intermediate

Problem Solving - DSA



Upper intermediate

System Design



special deal for them.

- Obsessed with customer experience and to improve that implemented one click order placement.
- Improved the **efficiency** and **accuracy** of warehouse team using technical solutions.
- Implemented **Dropship** model.
- Introduced Fuel ( mls ) as a virtual currency which enables customer to buy product at a lower price than shown.
- Maintain different views of **products** and **orders** for different external vendors that wants to sell product on our platform ( **Park+** ).
- Integration with Shipping Partners like **Shippo** and **Bluedart**.
- Actively involve in deployments using k8s, jenkins and server side related tasks like monitoring and alerting.
- This service is not a single monolith service, it is composed of several microservices written in different programming languages. It is composed of **Catalog Service (PhP)**, **Fulfillment Service (Python)**, **Review Rating Service(Python)**, **Warehouse Management Service (Python)**.
- I have worked with Go to implement a fuel wallet service which is not a part of store.
- Tech used is - Golang, Python, Php, Nginx, Kafka, Redis, MySQL, Elasticsearch, Distributed systems, Kibana, Grafana, Linux, AWS, Jenkins.

2021-09 -  
2022-07

## SDE 2 Backend Developer

*Innovaccer, Noida, India*

- Developed a robust, scalable **interoperability service** to send data to EHR's in Healthcare Domain.
- Main responsibility was to convert the data from **HL7** to **FHIR** and aggregate it from various data sources like postgresql, elastic search before converting.
- Led projects to identify opportunities for improvement ( **Better Logging, Query Optimizations** ).
- Completely Test Driven Development and aim 100% test coverage.
- Maintaining code quality and no security

Intermediate

MySQL



Intermediate

C



Intermediate

Golang



Intermediate

Kubernetes



Intermediate

Docker



Intermediate

Operating System



Intermediate

Object Oriented  
Programming



Upper intermediate

Linux



Intermediate

AWS



Intermediate

Redis



Intermediate

Php



Intermediate

vulnerability since using Sonar Qube for continuous inspection of code quality to perform automatic reviews with static analysis of code to detect bugs, code smells.

- Apart from this wrote modular and highly efficient code and worked with cross teams to understand needs and provide excellent service.
- Tech Used:- Python, django, Kafka, MongoDB, Elastic search. Docker, Kubernetes, ArgoCd, Helm Charts.

2020-04 -  
2021-08

## Full Stack Developer

*Trippock Labs ( Acquired ), New Delhi, India*

### EDA - Lead Developer

Digitization of supply chain management and monitoring of drugs for one of the pharmaceutical company, with 1M+ daily transactions. Personas within the platform - Patients, Pharmacies, Distributors, Govt. auditing body.

Tech Used: React, ExpressJS, MSSQL, Elasticsearch, Redis, Docker

### HealthLink - Lead Developer

Helping one of the pharmaceutical company provide Spinraza (one of the costliest drugs in the world, approx. \$120,000 per vial) to underprivileged families via an unbiased & transparent system. Platform also includes patient care like monitoring of drug adherence, tracking of any adverse effects & teleconsultation with doctor/nurse.

Tech Used: React, ExpressJS, MongoDB, Twilio, GetStream, Docker

2018-09 -  
2020-03

## Full Stack Developer

*Indycium, New Delhi, India*

- Basically it was **Ad** and **marketing** company which aims to sell **ads** collected from various platforms like radio, tv, internet, newspaper.
- Main responsibility included to make sure the system is working fine, which included **web scraper service** ( scrapes news paper in several languages ), **notification service** ( emails ) and **web app** service ( used by data entry team ). And to do new dev and migrate the old php code to python.

- Followed th **TDD** approach while maintaining microservice architecture.
- Followed **REST API** architecture for communication among different micro services.
- Due to very huge data in mysql table, setup elastic search and migrated the data into elastic search and change the search queries from mysql to elastic for specific searches.
- Ensuring data in elastic search is always in sync with mysql.
- Used **mysql bin logs** to track the changes and accordingly update those changes in elastic search.
- Tech Used: python, django, elastic search, mysql, php

## Education

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2013-08 -  
2017-07

### **Bachelor of Technology: Electronics And Communication Engineering**

*College of Technology, ( G.B.P.U.A&T) - Pantnagar, ( Uttarakhand )*