

# SHASHI BHUSHAN KUMAR

## EPAM

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### SUMMARY

- A Senior Software engineer with 7 years of commercial experience in software development
- Expertise in: Programming in Python,Golang,Microservices, Systems Architecture and Operations
- Distributed System, Aws cloud services, Performance Engineering and Measurement, Software and Engineering Documentation
- Experienced in Data Modelling and writing efficient queries in SQL and NOSQL Databases like Mysql,MongoDb,Cassandra,ElasticSearch,Redis
- Experienced working in writing event driven microservices architecture for ecommerce application
- Experienced backend developer in writing applications using Python (Django, Flask, Sanic)
- REST and Database
- Experienced in working with orchestration tools and its setup, management with Docker, Kubernetes
- Sound understanding of object-oriented programming and design (OOPD), SOLID, clean code

### SKILLS

#### Academic Disciplines

- **Applied Sciences:** Clean Code, Algorithms & Data structures, Object-oriented Programming, Microservice Architecture Pattern, REST

#### Engineering Practices

- **Intelligent Enterprise:** MySQL. Programming, MySQL. Performance tuning, Data Software Engineering, MySQL. Internals
- **Cloud:** DevOps.CI/CD, Cloud, SDLC Implementation
- **Advanced Technology:** CI/CD, Python Basics, Python Functions and Decorators, Python.Web, Python Exceptions and Troubleshooting, Python Asynchronous Programming, Python Parallel Programming, Python.Core, Python OOP, Python ORM Frameworks
- **Quality Engineering:** Unit Testing

#### Leadership & Soft Skills

- **Leadership:** Leadership
- **Communication:** Stress tolerance, Conflict management

## Managerial

- **General Management:** Data Modeling, Agile

## Technologies

- **Standard:** Git
- **Data:** MySQL, Databases, MySQL Workbench, MongoDB, Amazon RDS, Apache Kafka, SQL Databases, Amazon DynamoDB, Redis, PySpark
- **Framework:** Pytest, Flask, SQLAlchemy, Django, Apache Spark, Apache Airflow, gRPC
- **Other:** Amazon Elastic Kubernetes Service, Amazon VPC, Frameworks, Amazon Athena, Testing Tools, REST API
- **Library:** Boto3
- **Computer Language:** SQL, Python
- **Solution:** Amazon ElastiCache, Amazon OpenSearch, Apache Hive, GitHub, AWS Lambda, Gitlab, Elasticsearch, Amazon EC2, Amazon CloudWatch, Amazon S3
- **Operating System:** Linux
- **Platform:** Docker, Kubernetes, Amazon Web Services

## WORK EXPERIENCE

**Nov-2021 - Aug-2022** - Senior Software Engineer, Dhani, <https://dhani.com/pharmacy>

**Customer:** DHANI

**Project Description:** Project: EPharmacy

- It facilitates the whole backend Api's for <https://dhani.com/pharmacy-store/> From medicine search ,addtocart,placing order, payment, refund, cancellation

**Team Size:** Dev Team - 10

QA Team- 5

**Project Roles:** Lead Engineer

**Responsibilities:**

- Requirements gathered from various stakeholders involved in the feature development
- Involving multiple iterations with the members so that scope and expectation of development gets clear to all
- Wrote Api's for refund, cancellation add new payment aggregators following solid principles
- Which enhanced the maintainability of the codebase, which further lead to less bugs and
- More readability
- Optimized the product ingestion and medicine search api

- using grpc and tuning of elasticsearch parameters which lead to increase in sales during peak hours
- Introduced and implemented Pytest for unit testing throughout all the projects as well as ci/cd pipeline
- Mentored 6 junior developers of the team in their day-to-day task from development till shipping to production

**Tools and Technologies:** MYSQL, REDIS, Mysql workbench, pycharm, aws services, linux, github actions, git, ci/cd, kubernetes, docker, aws athena, s3, ec2, eks., python, flask, mysql, redis, opensearch, rest, docker, cron, elasticsearch, new relic, elk

**Apr-2020 - Oct-2021** - Senior Software Engineer, Makemytrip, <https://www.makemytrip.com/>

**Customer:** b2c

**Project Description:** Project: Ingommt-hotels

- It facilitates the Api's for returning hotel details powering <https://www.goibibo.com/hotels/> for a particular search query

**Team Size:** Dev Team : 3

QA Team - 5

**Project Roles:** Individual Contributor

**Responsibilities:**

- Part of core search team responsible for handling 100% availability of user search experience of hotels for Makemytrip
- Responsible for shipping seasonal pricing strategy single handedly from requirement gathering
- DB Schema design, coding, integration with other microservice to production deployment
- Part of swat team for production outages and bug analysis
- Given Exposure to new skillset like GOLang, gRPC, shipped the feature in less time

**Tools and Technologies:** MYSQL, REDIS, Linux, Git, AWS, Ubuntu, Web studio, pycharm, Golang, Python, Flask, Gin, MYSQL, Docker, REST Framework, Jenkins, Openap

**Jul-2018 - Mar-2020** - Software Engineer, FYND, <https://www.fynd.com/>

**Customer:** b2c

**Project Description:** Project: Gringotts & Megatron

- It facilitates Api's adding items to the cart, making payment through debit cards,
- Credit card, wallet, upi

**Team Size:** Dev Team : 6

**Project Roles:** Software Engineer

**Responsibilities:**

- Build new features within screen magic and integrate it into existing products. This included rest
- api's development, fixing bugs in existing products. It is my responsibility to develop the online
- systems within Fynd shopsense. This included developing entire backend infrastructure from
- scratch and involvement in the entire development lifecycle of their product as well as develop?ing scalable applications
- Scaled payment and Order service for 1 million requests per second for 20ms of API latency
- Implemented Event Sourcing & CQRS patterns in microservices communication
- Implemented Circuit Breaker, Idempotency & Retry patterns to make system resilient & fault
- tolerant
- Integrated APIs of payment gateway like Razorpay, Juspay, Mswipe, Simpl
- Complete monitoring of APM, logs & errors
- Optimized response times for cart related API endpoints by 50%

**Tools and Technologies:** MYSQL,MONGODB,REDIS, Linux,Pycharm,Gitlab,Ubuntu,Mysql Workbench,Mongo Compass,kubernetes, Python,Sanic,Mongod,redis,docker,Sentry,Grafana,Prometheus

**Jun-2016 - Jul-2018** - Software Engineer, SMS MAGIC, <https://www.sms-magic.com/>

**Customer:** B2C

**Project Description:** ONEHOP

1. onboarding new sms gateways creating api's for sending sms through the gateway

**Team Size:** Dev Team: 5

QA Team: 4

**Project Roles:** Software Engineer

**Responsibilities:**

- Restful Api development ,Api Integration, Code testing, successful sprint execution code optimi?zation, code refactoring, requirement analysis, Api doc creation and management, R&D
- Integrated and implemented third party api's like safe browsing for fraud url detection which
- helped in increasing customer satisfaction and revenue
- Feature development in angular and react and their integration with backend api's written in
- flask
- Sms gateways api development

**Tools and Technologies:** MYSQL,REDIS, : Python, Flask, MYSQL,Docker,Gitlab,Jenkins., : Python, Flask, MYSQL,Docker,Gitlab,Jenkins