SHUBHAM SARDA

Software Engineer at FIS | Interested in Algorithms and Data Structures | Enthusiast for Data Science
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EDUCATION

PVG's COLLGE OF ENGINEERING
BE in Computer Engineering
2016-2020 | Pune, India
Cum. GPA: 7.26/10

MAULI JUNIOR COLLEGE OF SCIENCE
2014-2016 | Akola, India
Class XII Percentage: 68.46%

SHANTINIKETAN ENGLISH HIGH SCHOOL 2013-2014 |
Washim, India
Class X Percentage: 83.60%

ACTIVITIES

• **Event Head** in **Student Council Committee (2019-20)** of the Department of Computer Engineering.

TECHNICAL SKILLS

Java Technologies:
 • Java 11/1.8 • Spring Boot
 • Hibernate
DATABASES:
 • SQL (MySQL) • MongoDB
 •CouchBase (NoSQL)
Web Technologies:
 • HTML • CSS • JavaScript
 • RESTful API's
Web Server:
 • Apache Tomcat • JBoss • Jetty
SVN Client:
 • Tortoise SVN • GIT
IDE:
 • Idea Intellij • Eclipse 3.5
Build Tools:
 • Apache Ant • Maven • Gardle
Other Tools:
 • Docker • Postman • Jenkins
 • SQL Developer
Other Skills :
 • Microservices Architecture
 • Agile Methodologies • CI/CD

WORK EXPERIENCE

FIS | Full Time
November 2020 – Present| Pune, India

Project - Cleared Derivatives

Software Engineer | November 2023 – Present
1. Working in an Event-driven architecture comprises of various components such as gateway, node and various messaging system using Kafka, event bus .
2. Performing end-to-end testing by deploying various product components such as gateway, node in Docker.
3. Took ownership of specific features, becoming the Subject Matter Expert (SME) for those functionalities.
4. Responsible for defining, developing and evolving applications in a fast paced & agile development environment.
5. Fixing critical blocker's for both UAT and Production level bugs helping clients to deliver better .
6. Took responsibility to improve Junit code coverage in the system and increased total coverage to 74%.
7. Improved Performance (referred as trade processing per seconds) from 23 % to 37 % using various simulators withing the application.
8. Performing Technical analysis for development of new features or upgrading of existing functionality.

Exposure: Java , Angular Framework, Typescript, Jenkins, Couchbase, SonarCube Kafka, Integrity.

Project - Monitoring Tool

Software Engineer | November 2020 – Present
1.Designed a tool for fetching applications and business level metrics with parallel scheduled polling and further feed the metrics into business analytics systems.
2. Assisted in the development of web applications using Java, Spring Framework, and Hibernate.
3. Participated in the design and implementation of RESTful API's ensuring adherence to industry standards.

Exposure: Spring Boot, Microservices, JPA, SQL, Cloud Platform.

CERTIFICATIONS

Building Scalable Java Microservices | Coursera | Nov 2022
 Course comprises to build modern, complex, responsive microservice project with spring boot and spring cloud.

Angular Complete Edition| Udemy | Nov 2023
 Course comprises to build modern, complex, responsive and scalable web apps using Angular.

Data Science Course 2021 | Udemy | Aug 2021
 Course comprising of Mathematics, Statistics, Python, Advanced Statistics in Python, Machine & Deep Learning

PROJECTS

CureCO Pulmonary Disease Detection | BE Project | July 2019 – Apr 2020

Tech Stack: Deep Learning, Streamlit, Python, Angular, Node, Firebase

1. It's the product designed for detection for pulmonary disease (Covid-19, Thorax) detection.
2. The framework is designed for Realtime inter-Hospital management for a city.
3. The frontend comprised of Angular with backend as Node and basic Express and connect it to Firebase Services.
4. It is role-based authorization along with API provided by firebase and generating reports of patient based on the chest X-ray. The deep learning trained model returns the detected disease and the frontend is then generating the report.
   a. Hospitals creates and generate report through uploading JPG image of Xray and to assign Doctors which give their prognosis. Each role has their individual scope of features to access.
   b. Doctors can view the patient reports and can generate the prescription.
   c. Patient can view their reports and prognosis given by doctors.

Future Scope: Can add the appointment system and Hospitals can have dashboard with the data.

ERP FOR MACHINE TOOLS | May 2021

Tech Stack: Java, JDBC, MySQL

1. Managing real-time manufacturing of product requires managing the availability of parts to pipeline the development.
2. The scope was there would be management and workforce. For manufacturing the machines, user has to enter the number of machine or select from list (UI) and the system entered requirement, timeline and required process will be displayed on basis of which, it'll calculate availability of parts, also some parts could be manufactured inhouse. And it'll generate a list and on management's approval, an auto (template) spare part mail will be sent to registered suppliers.

Future Scope: Can involve customers up to some extent with support ticket system.

FOOD SECURITY APP | Jun 2020

Tech Stack: Android studio, Java, Firebase

1. Two user roles: Citizen and Vendor.
2. Both can sign in with Phone number with 2 factor authorization, Citizen will have to provide UIDAI (Aadhar) number and Vendor to Provide FSSAI number. (The registration to be done by Government)
3. After the verification, user account will be created provided QR Code will be given for each individual,
4. Citizen can scan vendor's QR to give *Rashaan*. The prices of *Rashaan* will vary as per economic
5. status registered at government. (PAN Verification).
6. The government will decide quota to distribute to particular vendor and to be utilized by citizen
7. There will be electronic receipt generated, which will keep track of cash flow.
8. and to estimate actual success of Facility.

Future Scope: Can have enhanced dashboard for government.

COVID-19 PUNE DASHBOARD | May 2020

Tech Stack: Android studio, Java, Firebase

1. During times of COVID-19 at first there was no dashboard for Pune city.
2. The app shows active count of patients, deaths and recovered along with the ward wise list.
3. Displaying pie charts for wards and total active, recovered and deaths.