AJAY KUMAR KUSHWAHA

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Skills & Technologies

Programming: C++, Data Structures & Algorithms, OOPs, C#, Java(core)
Backend: Spring Boot, JPA, hibernate, elastic-search, kafka, gRPC, microservices, .Net, CQRS, Rest APIS, unit testing, NodeJs.
Databases: SQL, PostgreSQL, MongoDB, NoSQL
Frontend: JavaScript, ES6, Bootstrap, Material-UI, CSS3, HTML, Responsive Web-design, AJAX, JQuery, Talwind
Frameworks: Angular, typescript, RxJS, Routing, Reactive Forms, Form Arrays, ReactJS, Context API
Data Science: Python, Convolutional Neural Networks, Natural Language Processing.
Additional: Git, JIRA, Agile, Documentation, Research and Development, Dockers

Work Experience

Software Engineer Backend – Sun King (The Green Light Planet) (July 2022 – Present)

Project: SunKingPay (Saas product with a Pay-as-you-Go system to facilitate the sales of solar Products)

- Designed and developed **REST APIs, DB Schema** did **initial-setup** in various microservices starting from Lead Management to orders (inventory allocation) & loan Management and then finally to payments, refunds, replacement & repossession.
- Developed all APIs of **Order Life Cycle** from creation to Integration of Inventory actions (allocation, de-allocation, selling), re-assignment, to cancel the order. Reported & solved **critical bugs** in inventory management related to mapping of SKU-Models.
- Took complete responsibility of **elastic-search** & related operations from config-setup in microservices to building multiple autocomplete APIs. Optimized & refactored code, making it clean, easy to understand with a standardized response structure.
- Identified the issue of data inconsistency between SQL DB and Elastic Db, came up with a solution of syncing the databases through just an API call and implemented it using Registry Design Pattern. **Syncing APIs** functionality was then extended to all the existing solutions, which were a massive help when the product was going in production.
- Setting up the **Kafka consumer** to receive payments from Payment Service via MPESA and implementing a **Job Scheduler** to allocate payments to orders/devices and initiate refunds for un-allocated Payments after 48 hours.
- Replaced the existing r-socket based authentication to **gRPC based** from setup to completion between all microservices.
- Collaborated in agile-based environment, discussions with product, QA and Infra teams, estimations for successful delivery within deadlines, displayed strong leadership in guiding new team members and solving complex bugs and documentation.

Tools/Technologies: Java, Spring Boot, Elastic Search, PostgreSQL, GRPC, Kafka, Microservices, dockers

Specialist Programmer – Infosys (Oct 2020 – June 2022)

- Designed **components structure** for new Screens, implemented modularization, **routing**, l**azy- loading, Pop-up** (Modal).
- Developed **REST APIs** in **microservice** architecture wrote **unit tests**, optimized **stored procedures** to communicate with DB.
- Fixed critical bugs, added new features, **reactive-forms,** to existing dashboard screens, API integration using **RxJS.**

Tools/Technologies: Angular10, typescript, Material-UI, C#, .Net, REST API, .Net Core, SQL, Swagger, xUnit, Git

Projects

The Pizza Pro |Live| GitHub

Online Pizza Ordering System, Users can add Pizza to the cart, delete, manage Quantity and Order Pizza.

Tools/Technologies: ReactJS, JSX, Context API, Talwind, Nodejs, Express, Routing, MERN

We Care |Live| GitHub

Appointment booking/management application with signup/login features. Users can filter on basis of, specialty, availability, upcoming schedule, reschedule or cancel the appointments. Similarly, coaches can also manage their schedules.

Tools/Technologies: MEAN, Angular10, NodeJS, Express, MongoDB, CSS3, Routing, Reactive Forms, Lazy Loading

Education & Undergraduate Courses

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA (U.P.)
B. Tech - Information Technology (2016-20) **CGPA - 8.2/10**
JAY JYOTI SCHOOL, REWA (M.P.)
Higher Secondary (2015-16) - **93.4%**
Secondary School (2013-14) **CPGA- 9.6/10**

- Data Structures and Algorithms
- Database Management Systems.
- Computer Networks
- Operating Systems
- Computing for Data Science and Neural Networks