

# Ajay Kumar Kushwaha



Portfolio: [kush1912.github.io](https://kush1912.github.io)

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## Skills & Technologies

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**Programming:** C++, Data Structures & Algorithms, OOPs, Java (core)

**Frontend:** JavaScript, ES6, Bootstrap, Material-UI, CSS3, HTML, Responsive Web-design

**Frameworks:** Angular, typescript, RxJS, Routing, Reactive Forms, Form Arrays, ReactJS, Context API

**Backend:** Spring Boot, JPA, hibernate, elastic-search, Kafka, gRPC, Microservices, Rest APIs, NodeJS.

**Databases:** SQL, PostgreSQL, MongoDB, NoSQL

**Additional:** Git, Cloud GCP, Dockers, JIRA, Agile, Documentation, Research and Development

## Work Experience

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### Software Engineer Backend – [Sun King \(The Green Light Planet\)](#) (July 2022 – Present)

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

- Led the design and development of **REST APIs** and **DB schemas** for intricate **microservices**, including Lead Management, Orders Management, Loan Management, and subsequent stages such as Payments, Refunds, Replacement, and Repossession.
- Orchestrated the complete development of APIs covering the entire **Order Life Cycle**, encompassing creation, **integration of inventory actions** (allocation, de-allocation, selling), re-assignment, and order cancellation. Proactively identified and resolved **critical bugs** in inventory management, particularly related to pricing-group mapping.
- 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 data inconsistency issue between SQL DB and Elastic Db, came up with a solution of syncing the databases through an API call, implemented it using **Registry Design Pattern**.
- Configured **Kafka** consumer for efficient receipt of payments from the Payment Service through **MPESA**. Implemented Job Scheduler to allocate payments to orders/devices and initiated refunds for unallocated payments after a 48-hour period
- Successfully migrated authentication from RSocket to gRPC across all microservices, demonstrating expertise in implementation, configuration, and seamless integration.
- Backend Support for the **offline feature** in the mobile application, Integration with **Samsung Knox Pay-as-you-go** Phones.
- 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 **Angular components** for new Screens, implemented modularization, **routing**, **lazy- 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, REST API, Sql, Java, Spring Boot, Git

## Projects

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**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, java Spring boot 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**, java, Spring boot, MongoDB, CSS3, Routing, Reactive Forms, Lazy Loading

## Education & Undergraduate Courses

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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