Saransh Kumar

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GitHub : https://github.com/CryptoSingh1337
Linkedin : https://www.linkedin.com/in/saransh-kumar-2k19/
Portfolio : https://saranshkumar.me/
Medium : https://cryptosingh1337.medium.com/

Education

Amity University, Noida **2019 — 2023**
Bachelor of Technology in Computer Science and Engineering, CGPA: 8.33/10

Bal Bhavan Public Sr. Sec School **2017 — 2019**
Intermediate

Technical Skills

Programming Languages : Proficient in Java, Familiar with JavaScript
Tools and Web Technologies : Spring, Spring Boot, Hibernate, Vue, HTML, CSS, Bootstrap, Git, Apache Maven, Docker
Database Management System : MySQL, MongoDB

Personal Projects

VidFlow **Frontend**, **Backend**, **Preview**, **Live**
An open source content sharing platform (similar to YouTube). October 2021 — February 2022

- Created material design UI using **Vuetify**.
- Used **nuxt-auth** to authenticate and authorize user using **Jwt** tokens.
- User can watch, upload, like/dislike a video and can subscribe to a channel.
- Application also manages the watch history of the user and gives notification to the user if subscribed channel uploads a video.
- Using **Microsoft Blob storage** for video storage and **Heroku** for deployment of backend on cloud.
- Using **RabbitMQ** for asynchronous events such as notifications.

Tech stack: JavaScript, Vue, Nuxt, Vuex, Vue Router, Vuetify, Java, Spring Boot, Spring security, MongoDB, Redis, Microsoft Azure

Bloged **GitHub**, **API docs**, **Live**
A fullstack blog posting web application June 2021 — Aug 2021

- Created REST API using **Spring Boot** which can handle all the CRUD operations related to Post, Comment, Category.
- Used pagination to reduce the time taken while fetching the data.
- Used **Spring Data Jpa** for the persistance layer and followed repository pattern and **JSR 380** (Java API for bean validation) to validate the incoming request model.
- Used **mapstruct** for converting the incoming request and response model to the respective domain entity.
- Created Unit tests along with API docs using **Spring Rest Docs**, **JUnit 5** and **Mockito**.

Tech stack: Java, Spring Boot, Spring WebMvc, Spring Data JPA, Spring Rest Docs, H2-DB, React, Redux, Router

Spring Recipe App **GitHub**, **Live**
A Spring web application for managing Recipes. June 2021

- Created Mvc application which can hanle all the CRUD operations on Recipe, ingredients and its category.
- User can also upload an image for a recipe and store that in the database as BLOB (Binary Large Object).
- Used **JSR 380** to validate the incoming request model and **Thymeleaf** server side rendering.
- Created Unit and integration tests using **JUnit5** and **Mockito**.
- Followed Behaviour Driven Development and used **CircleCI** for continuous integration.

Tech stack: Java, Spring Boot, Spring WebMvc, Spring Data JPA, H2-DB, Thymeleaf

Experience

Checkstyle **GitHub**
Contributor Mar 2021 — May 2021

- Updated existing unit tests to use separate input file for each test method.
- Updated existing Javadocs and added code examples.
- Learned about **CI/CD, Apache Maven, Unit testing.**
- **Merged over 35+ pull requests.**

Achievements

- Solved 150+ coding problems on Geeksforgeeks, CodeChef, **LeetCode**.
- 3 star on **CodeChef**.
- 4 star Problem Solver and 5 star Java programmer on **HackerRank**.