

# VISHAL KATHPALIA

Bangalore, India

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## Work Experience

### Tekion Corp

Jul 2022 – Now

Software Engineer 2

Bangalore, Karnataka

- Achieved a **90X performance increase** in a previous module system and effectively resolved all major and minor defects during a significant project rewrite, ensuring seamless functionality and optimal performance.
- Actively collaborated in the development and maintenance of **10-12 microservices** using Java and Spring Boot. Skillfully designed, developed and delivered **15-20 major and minor features** to enhance system functionality.
- Worked upon writing **3 new microservices** in Spring Boot from the scratch and changed the architecture of existing workflows of customer communication and printing the PDFs and labels in async manner to enhance the performance of functionality.
- Mentored and guided a team of interns**, facilitating the implementation of features designated for new hires' training, leveraging strategic leadership to optimize learning outcomes and project success.

### Tekion Corp

Jan 2022 – Jul 2022

Associate Software Engineer Intern

Bangalore, Karnataka

- Explored and designed the **internal recruitment portal** and contributed in development of writing the backend microservice from scratch while exploring the backend technologies like Java, Spring Framework, MongoDB and Elastic Search.
- Designed and developed the **backend APIs** of internal recruitment portal and deployed the service on production.
- Contributed in writing the **migration APIs** in batches to migrate the existing data from old portal to new portal and made the onboarding smooth for the hiring team.

## Technical Skills

**Languages:** C, C++, Java, Python, R programming

**Developer Tools:** IntelliJ IDEA, Eclipse, Jira, Confluence, Git, Docker

**Technologies/Frameworks:** Spring Boot, Elastic Search, Kafka, MongoDB, Mysql, Redis

## Projects

URL Shortener | *Spring Boot, MongoDB, Gradle*

March 2022

- Engineered a cutting-edge application leveraging the **Spring Framework, REST APIs, and MongoDB database** to facilitate URL shortening capabilities, enhancing accessibility and efficiency in web navigation.
- Innovatively enhanced URL shortener functionality by integrating a privacy feature enabling users to securely share private links through password protection.
- Utilized Google Guava library in Gradle to generate unique hash codes for URL shortening, stored efficiently in MongoDB.

Speech Recognition Software | *Python, SpeechRecognition, PyAudio, Pyqt5*

November 2019

- GUI-based programme that functions similarly like Microsoft Cortana. It has many sections and functions as a computer's assistant. People can control the computer using Speech.
- Explored the **SpeechRecognition, Pyaudio, and Pyqt5 packages** of python to develop the project.

## Education

Lovely Professional University

Aug 2018 – May 2022

B.Tech in Computer Science and Engineering, CGPA:8.80/10

Phagwara, Punjab

Swami Vivekanand Public School

Mar 2003 – Aug 2018

XII-(CBSE), 93%

Yamuna Nagar, Haryana

## Relevant Coursework

- Data Structure
- Software Methodology
- Problem Solving
- Operation System
- Database Management
- Data Visualization
- OOPS concepts
- Devops Virtualization

## Academics/Extracurricular Achievements

GeeksForGeeks Self Paced Data Structure Course [Link](#)

DS-Algo

- Learned **Data structures and algorithm** concepts using C++ and solved approx 500 problems.

Won the Third Prize In Science Exhibition

Science, Physics

- Build the **Tesla Coil project** and represents the school in science exhibition at district level.