DEEPAK SHARMA

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Employment

SDET **Flipkart** **September 2022- Present**

DOMAIN: Catalog and Buying Engineering.

-Designing and implementing Integrated testing framework for the whole Catalog Management system. Creating test suites, testing all the services in the pipeline, debugging whole pipeline and make preprod stable,Creating an integrated flow for catalog as a seller comes to Flipkart and product is created over the Flipkart Website. Making sure topics are consuming and producing data and there is no lag and services are always up and running.

Tech Stack : Java, Python, Postman,Kubernetes,Docker, Debugging, Junit, Kafka, Microservices, Maven, IntelliJ, SSH, VM, REST API, SQL, SQL pro, Git,CI/CD

EDUCATION

Delhi-NCR **SRM University** **June 2013 – May 2017**

- BTech in Computer Science Engineering. GPA: 6.9.
- Coursework: Algorithms, Data Structures, Operating Systems, Database Management System, Theory of computation, Architecture, Networking, Computer Programming, Advance OS.

Sonipat **Jankidas Kapur Public School** **June 2012 – May 2013**

- (12^{th} Standard): CBSE. Percentage: 72%
- Coursework: Physics, Chemistry and Math.

Sonipat **South Point Public School** **June 2010 – May 2011**

- (10^{th} Standard): CBSE. CGPA: 9.0
- Coursework: Sciences, Social Sciences, Math and English.

TECHNICAL EXPERIENCE

Projects

- **Built a Backend Clone of Instagram:** Converted requirements to a Minimum Viable Product similar to Instagram's backend. Designed Class structure, use-cases and implemented the APIs to mimic Instagram's backend.
- **Built a web app dashboard for IPL:** A web app to visualize IPL data in a dashboard format built on React. The backend was written using Java under Spring framework and it was deployed on AWS.
- **Personal Assistant Robot**: A robot built for monitoring the environment using cameras and ultrasonic sensors. It was built using RaspberryPi and programmed using Python, IoT
- **Java Collections Clone:** Built a backend API like Java's collections API containing data structures and their features. The data structures implemented were Stacks, Queues, LinkedLists, HashMap, ArrayList, Priority Queue, Trees, Binary Search Trees and Graphs.

MOOCs

- **Java:** Beginner to Advanced
- **Agile Methodology:** Software development using Agile Methodology.
- **GIT:** Beginner to Advanced.
- **SQL:** Relational Databases, designing schemas and querying.
- **JAVA Development Environment:** Building and deploying Java Applications using Spring boot.

Languages and Technologies

- Languages: Java (A); Python(I); SQL(I);JavaScript(I). *[Note: A=Advance, I=Intermediate, B=Basic]*

Software Engineering Suite:

- *Version control:* Git, BitBucket; GitHub; *Environment tools*: Eclipse, Visual Studio, J2EE, Maven;
- *Backend Engineering:* Spring Boot, MySQL, AWS, JShell; *Frontend*: HTML, CSS, React,JavaScript;

- *Programming Paradigms:* Object Oriented Programming, Functional programming.
- *Methodologies and design:* Agile Methodology; Low level design.
- Testing; Documenting and Presentation.
- **Theoretical Computer Sciences:** Data Structures, Algorithm Design and Analysis, Distributed Systems, Discrete Mathematics, Problem Solving.