

SNEHDEEP KAUR

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SKILLS

C++, C, Python, SQL, Java, Spring Boot, Django, AWS, Docker, Kubernetes, CI/CD, Data Structures and Algorithms, JPA, Hibernate, Redis, Kafka, Git, Micro-services, Agile, Rest service, Django, MySQL, MongoDB, Microservices, Backend development

PROFESSIONAL EXPERIENCE

Airtel International LLP Africa

Apr 2024 - Present

Software Developer II (Data Engineering Team)

- Working in a Data Engineering team that is responsible for processing terabytes of data as per business specific KPIs.
- Created a dataflow pipeline job that is responsible to process and store the KPIs data in Hadoop.
- Automated Validation of data as per specified rules before storing to mitigate the redundant and inconsistent data.

Vitraya Technologies

Jul 2023 - Mar 2024

Software Developer

- Working Spearheaded the launch of new features for **Policy Markup Language (PML)** to streamline the **medical admissibility** of claims for leading health insurers, including Star health, Nivabupa, and Abhi Active health.
- Led the successful migration of PML from **Node.js** to **Java**, optimizing performance and efficiency.
- Played a pivotal role in digital transformation of medical insurance claims, **consolidating scattered** processing among TPAs and offline testers.
- Achieved over **80% reduction** in approval time for claims, transforming processing duration from over **2 days to near-instant validation**.
- Engineered a suite of services utilizing versatile tech stacks, including **Java, Node.js, MongoDB, Kubernetes, JavaScript and AWS**.

OLX

Jan 2022 - Jul 2023

Software Developer

- Designed and built warehouse management system to develop **logistic and warehouse capabilities** in OLX Autos, leveraging advanced techniques to optimize logistic and warehouse capabilities. Reduced operational inefficiencies by 20% and enhanced user experience.
- Integrated **notification services** and various third-party platforms to **streamline operations** and enhance productivity.
- Maintained **code quality and resiliency** by implementing circuit breaker, timeout and testing using Unit and Integration test.
- Collaborated on stages of **software development lifecycle** from requirement gathering to production releases.
- Spearheaded the implementation of **CI/CD** techniques, resulting in standardized **pipelines across** services and more efficient and cost-effective project with faster/development times.
- Engineered the implementation of test-driven development methodologies, leading to 25% increase in software quality and 30% decrease in bug reports from end-users.
- Contributed fully to **design assessments problem solving, code reviews and brainstorming sessions**.
- Engineered a range of services that significantly enhanced all types of user communications in OLX Autos, utilizing versatile tech stacks such as **Java programming language, Spring Boot, GraphQL, APIs, Kafka, MySQL and AWS** and demonstrating expertise in software engineering and development.

Software Engineering Intern

- Implemented scalable** and latency-sensitive industry-level products such as Value-added services for OLX Autos, utilizing advanced engineering techniques to ensure **high-quality performance and user experience**.
- Developed **Rest APIs** and discussed **high-level** diagrams and assisted in **database designing**.
- Participated in **code reviews** and **maintained high-quality** standards throughout codebase.
- Shadowed team members to learn new tasks and how to appropriately handle technical issues.
- Tech Stack: **Java, JUnit, Mockito and MySQL**.

PROJECTS

Long-Term Traffic Prediction (Machine learning)

- Applied **LSTM** model on traffic data downloaded from the official government's website (<http://pems.dot.ca.gov>) and preprocessed collected data of over 10 years from different centers of Chicago and estimated traffic flow with overall accuracy of **82%**.

Network Security (Secure Coding and Cyber Forensics)

- Develop Implemented various security attacks on Ubuntu and got insights into **PE Code injection and Format string vulnerability**.

HousingWeb

- Develop With the idea to bridge the gap between customers with the web of architects, Engineers, and Workers, this idea was able to grab the UC Berkeley certificate and 3rd position at Venture Lab.
- My major responsibilities were to assemble the **Business model canvas, website development and pitch**.

UnsaidTalks

- Lead a team of 30 designers and content writers. Conducted interviews of seniors from 3 top colleges and published them on (<https://unsaidtalks.com/>) Expanded the audience on Instagram page from 50 to 500+ in a short span of 4 months.

EDUCATION

THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY

Patiala, IN

Bachelor of Technology, Computer Science

2018 – 2022

CGPA: 8.24/10.00

Sri Guru Harkrishan Sr Sec Public School

Amritsar, IN

Class XII: 93% | Class X: 10 CGPA

ACHIEVEMENTS

- Got a Merit Scholarship in college during 1st year.
- Received UC Berkley certification for a startup idea (Housing Web).