YATIN SINGH

+91 79860 74983 ◇ yatinsingh1729@gmail.com

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SKILLS

Technical Skills:	C++, **Java**, OOPS, Data Structures, Linux, HTML,MongoDB, React
	XML, CSS, **JavaScript**, TypeScript
Tools & Frameworks:	**SpringBoot**, Angular, Docker, JUnit, Mockito, TestNG, Spring, Maven
	Lombok, JIRA, Git, Postman

EXPERIENCE

Associate Software Engineer   July 2022 - Mar 2023
Informatica   *Bangalore*

- Developed API for connection to different services in which Authentication was required to access sensitive data from database.
- Optimized codebase and stabilized existing UI automation test cases, resulting in a significant reduction in test case failures. Implemented **Unit Tests** using JUnit & Mockito, achieving 90% test coverage.
- Fixed vulnerabilities in the product to sanitize user inputs and prevent the visibility of internal stack traces to the user. Worked on **developing** up a common infra for developers using Zuul Framework.

Software Developer Intern   Jan 2022 - July 2022
Informatica   *Bangalore*

- Worked on major upgradation of WSO2 API Manager from version 2.6 to 3.2. The upgradation helped us in setting up a regular update to minor versions and resolve any security **vulnerabilities** in the application.
- Worked on a critical production issue in finding out a root cause of database connection unavailability. **Implemented** Hikari Connection pool for the product. Improved system efficiency by **30%**.
- Optimize **API Manager** through bug fixing. **Contributed** in a feature that provides user a list of deleted clients of their organization.

PROJECTS

Blogging Application | JWT, Swagger, React, MySQL, Hibernate, AWS. [(Live)](#)   [(Github)](#)

- Developed a blogging application using **Spring Boot** and deployed it on the cloud.
- The application allows users to create, edit, delete blog posts, as well as comment on posts.
- Used Swagger UI for API documentation and testing, JWT for authentication and Docker to containerize the application.

AI Image Caption Bot | Python, RNN, Transfer Learning, Word Embedding.   [(Github)](#)

- Used Flickr8k dataset containing 8000 images. Each image contained 5 captions.
- Employed the ResNet-50 model pre-trained on ImageNet for image feature extraction.
- The LSTM-based decoder operated as the text generator. It received the image feature vector as an input and sequentially produced words to formulate descriptive captions.
- Developed graphical user interface (GUI) for image captioning application using HTML and CSS.

EDUCATION

Bachelor of Engineering, Computer Science (2018 - 2022)   CGPA 8.43
Thapar Institute of Engineering and Technology