YATIN SINGH

+91 79860 74983 ⋄ yatinsingh1729@gmail.com ⋄ Linkedin ⋄ Leetcode

SKILLS

Technical Skills:	C++, **Java**, OOPS, Data Structures, Linux, DBMS, MySQL, HTML, PostgreSQL, React, XML, CSS, JavaScript, AWS.
Tools & Frameworks:	Docker, JUnit, Mockito, TestNG, **SpringBoot**, Spring, JPA Hibernate, Lombok, Maven, JIRA, Git, Postman.

EXPERIENCE

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

- 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.
- **Improved** quality rating of the product reducing vulnerabilities from 70 to nil by understanding the code base and using proper fixes.
- Fixed **vulnerabilities** in the product to sanitize user inputs and prevent the visibility of **internal stack traces** to the user.

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 | SpringBoot, 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 | Neural Network, CNN, 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