GAURAV CHAHAR

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ABOUT

Software Development Engineer with over **4+ years** of experience specializing in **backend development, CI/CD, and API validation**. Skilled in **Java, database management, and designing scalable microservices architectures.**

EDUCATION

Bachelor of Technology: Software Engineering, Delhi Technological University – D.T.U (Formerly D.C.E)   *2015-2019*
- Graduated with 7.86 CGPA

TECHNICAL SKILLS

Programming Languages: Proficient: Java, C, C++ Intermediate: Python

Software Libraries, Tools, and Frameworks: SQL, AWS, Spring Boot, Docker, Kubernetes, Airflow, Eclipse, Git, OOPS, HTML5

Performance Optimization Technologies: Multithreading, SPICE, RDBMS, CSS, SDLC, AGILE, REST APIs, Kafka, Maven, Junit, JDBC

Areas & Subjects: System Design, Backend Development, Machine Learning, Data Analytics, React.js, Data Structures & Algorithms, NLP, Deep Learning, Redux, MySQL, JavaScript, NoSQL DBMS(MongoDB)

WORK EXPERIENCE

Software Development Engineer II, ZooKoo Consulting – Noida   *Jan 2023-Present*

Code Review Dashboard.
- Worked on developing a Code Review Dashboard that aggregates and visualizes code review statistics, specifically focused on pull requests, for multiple teams. **Kafka** allowed **asynchronous detection results**, so developers can receive updates as each file is analyzed without blocking the UI.
- Enhanced team efficiency by providing insights that led to a 20% improvement in review approval times and a 15% reduction in pending pull requests.

Automated Refactoring Assistant
- A web-based tool that we developed in **Python** that can be used as a plugin across multiple programming languages such as Java and Python. Used **DevOps, GCP** target cloud platform and containerization through **Docker.**
- The tool was integrated across 3+ teams, helped maintain a uniform codebase & reduced onboarding time for developers by 20%.

Software Development Engineer I, ZooKoo Consulting – Noida   *Jan 2021- Jan 2023*

Test Case Management System.
- Implemented to streamline the storage and management of test cases for automated testing.
- The project leverages **Java Spring Boot** for the backend APIs, with database integration for secure and efficient storage. Reduced the time spent searching and retrieving test cases by 50%, enhancing the overall efficiency of the QA team.

Code Duplication Detector
- Designed this tool to identify duplicate or similar code blocks in source files using **Abstract Syntax Tree (AST) parsing**. Frontend was developed using **React**, while Backend is built in **python** to handle the code scanning and detection logic.
- Enabled developers to catch hidden code duplication early in the development cycle resulting in 20% decrease in post-deployment bugs

Software Engineering Intern, ZooKoo Consulting – Noida   *May 2018- Aug 2018*

SPICE for Automotive
- Implemented a tool that provides comprehensive support for the Automotive SPICE assessment process. It includes templates, pre-defined question sets, and guidance to evaluate the maturity level of processes.

AWARDS & RECOGNITION
- Employment : Standout Performer - awarded 3 times.
- Education : Appeared for UPSC CSE Interview (UR) (top 0.013% of competing 6 lakhs students)

RESEARCH PROJECT

Text to Image Synthesis using Generative Adversarial Networks (GANs)
- Developed two models (using LSTM and GRU) for generating images based on textual descriptions even after incorporating a lot of noise. Incorporated a new input dimension over baseline model (real images with mismatched text) to improve image realism.

POSITIONS OF RESPONSIBILITY
- Head - 1. Web Development team, Cultural Council, (D.T.U)