

Dharmaraj Rathinavel

Backend Developer

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SKILLS

- **Programming Languages** : Javascript, Java
- **Libraries and Frameworks** : NodeJS, Spring Boot
- **Other Skills** : PostgreSQL

EXPERIENCE

Member Technical Staff

May 2022 - Present

Zoho Corporation

Chennai

- Developed Shredder, a **static code analysis tool**, enhancing code maintainability by identifying and eliminating unused and duplicated JavaScript methods.
- Streamlined the ZohoCRM codebase by **removing over 1,680 dead codes, reducing 19MB of redundant code** and improving load times.
- Facilitated the implementation of Shredder across **14+ Zoho products**, boosting system efficiency by eliminating dead code and enhancing performance.
- **Detected more than 6,000 deadcodes** across all integrated Zoho products, contributing to a more efficient codebase.
- **Developed robust backend solutions** using Node.js and PostgreSQL, ensuring high performance and reliability while storing results of unused and duplicate methods.
- **Designed the schema** for Shredder to store dead code in the given build for later validation.
- Created an API to return lists of unused methods in feature branches, **integrating Shredder with the Code Review Tool** for efficient code analysis.
- **Automated bug assignment** for unused methods by integrating Shredder with the ZohoCRM QA workflow, significantly improving overall code quality.
- Provided support for identifying unused styles in CSS and LESS files, **improving initial load times** and enhancing the codebase's cleanliness and maintainability.

Project Trainee

Feb 2022 - May 2022

Zoho Corporation

Chennai

- Evaluated and implemented advanced JavaScript methods to significantly enhance the functionality of the Shredder tool.
- Executed a successful proof of concept for the Shredder tool, resulting in management approval and project advancement.

ACHIEVEMENTS

- Achieved a **top rank under 100** in the HackWithInfy coding contest conducted by Infosys, showcasing strong problem-solving and coding skills.
- Secured **2nd rank** in the department in Class 12 board exams, reflecting a high level of academic performance.

EDUCATION

V.S.B Engineering College

2022

BE/B.Tech/BS | 8.36 CGPA