YASHRAJ AGARWAL

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Profile Summary

- Dynamic Engineer with **over 2 years** of expertise in crafting elegant, scalable code and delivering exciting user experiences. Equipped with a comprehensive skill set in full stack web development, project management and **problem-solving.**
- Experienced in various frameworks, such as **Spring Boot** and Django for backend development, along with **React** and NestJS for building dynamic user interfaces.
- Strong knowledge of database management, proficient in both MongoDB and **MySQL**, facilitating effective data storage and retrieval solutions , version control and CI/CD processes, leveraging Git and GitHub Actions to automate software delivery.

Work Experience

Software Engineer | Michelin   **Dec'22- Present**

- Contributing to technical documentation, including **API** design specs and architectural diagrams, facilitating onboarding and system enhancements.
- Optimizing system performance by identifying bottlenecks and implementing solutions, resulting a 30% increase in overall efficiency, benefitting more than **50,000** customer dealers.
- Developing customer portal features for the CRM Team using **React**, **Spring Boot**, and **Jest** in a Test-Driven Development (**TDD**) environment, maintaining over **90% test** coverage and improving load times by **50%** through **Lazy Loading.**
- Automating **Cypress** test scripts for multiple components, increasing end-to-end coverage from **0% to 70%.**
- Designing and implementing REST APIs in **Java**, utilising **AWS Lambda** and **DynamoDB** to enable users to generate structured data in PDF/Word format, ensuring seamless deployment within a **serverless** architecture.
- Streamlining front-end and back-end communication using **RESTful API** techniques, improving data consistency by 50% and enhancing site uptime by **25%** through effective front-end debugging in **React**.
- Developing **Redux** middleware to reduce API response times, resulting in a **15% improvement** in page loading speed and a better user experience.

Software Engineer | Bajaj Finance Limited   **Jul'22 - Nov'22**

- Optimized system components leveraging **Spring Boot** and **React.js**, enhancing overall speed by **45%**.
- Deployed backend APIs through **Spring Boot**, improving node **interoperability** and boosting data processing speed by **25%.**

Technical Skills & Tools

- **Languages:** Java, Python, TypeScript, HTML, CSS
- **Frameworks:** Spring Boot, React, NestJS, Django
- **Infrastructure & Cloud:** Docker, AWS Serverless, Firebase
- **Databases:** MongoDB, MySQL
- **Development Tools:** Git, GitHub Action

Education

Bachelor of Engineering in Computer Science   July 2018 – June 2022
Vellore Institute of Technology, Vellore, Tamil Nadu   **CGPA:** 8.5

Core Competencies

- Full Stack Development
- Cloud Computing (AWS Serverless)
- Test-Driven Development (TDD)
- Agile Methodologies
- Database Management
- Microservices Architecture