

HARSH AGARWAL

CONTACT DETAILS

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PROFILE LINKS

- ➔ [Hackerrank Profile](#)
- ➔ [GFG Profile](#)

EDUCATION

- ➔ **B. Tech in Electronics and Communication**
Vellore Institute of Technology
June 2017 – April 2021
CGPA: 8.65
- ➔ **12th Class**
Saran School, April 2015 – March 2016, Percentage: 76.2%

KEY SKILLS

- ➔ Backend Development
- ➔ DSA (Data Structures and Algorithms)
- ➔ Software Development
- ➔ Data JPA
- ➔ Putty
- ➔ Collections
- ➔ Web Development
- ➔ MyBatis
- ➔ Java
- ➔ Hibernate
- ➔ Spring Boot
- ➔ Git
- ➔ MySQL
- ➔ Postman
- ➔ Linux
- ➔ Microservices
- ➔ Restful API
- ➔ Lambda Expressions
- ➔ Golang

JOB OBJECTIVE

Aspire to contribute to a **dynamic organization** that values creativity and technical proficiency, utilizing over almost 4 years of **backend development** expertise to deliver high-impact solutions and drive business success.

PROFILE SUMMARY

- ➔ With **almost 4 years of hands-on experience** in backend development, specialising in **software development** and **database management**, consistently striving to enhance application performance and system capabilities.
- ➔ Specialize in end-to-end software development, focusing on building robust, scalable applications. Skilled in efficient database management to optimize data storage, retrieval, and performance across diverse platforms.
- ➔ Currently serving as a **Backend Developer at Samsung R&D Institute**, leading the development of resilient backend services, enhancing integration between frontend systems, and optimizing **database performance** for improved efficiency.
- ➔ Adept in **Java, Spring Boot, and MySQL**, designing scalable backend solutions that cater to complex business needs, ensuring robust system architecture and seamless user experiences.
- ➔ Achieved measurable improvements in application performance by **optimizing database queries** and adopting **caching strategies**, significantly reducing **latency** and enhancing user satisfaction.

WORK EXPERIENCE

Samsung R&D Institute Delhi, Noida | Backend Developer | June 2022 – Present

Responsibilities:

- ➔ Development of **backend services** using **Spring Boot**, ensuring **optimal database performance** by implementing effective data access and **query optimization**.
- ➔ Developed “**Email as a chat**” service to increase the productivity of the agents
- ➔ Developed **live attendance feature** for agents
- ➔ Deployment of applications on **Linux environments**, ensuring seamless integration and reliable performance in production settings.
- ➔ Collaborating with **frontend teams** to establish clear **API contracts**, facilitating smooth integration and ensuring alignment between backend and frontend systems.
- ➔ Enhancing **application security** by implementing robust measures such as **JWT-based authentication** and **role-based access control** mechanisms.
- ➔ Improving application performance through **database query optimization** and the integration of caching solutions like **Redis**, reducing response times and boosting system efficiency.
- ➔ Leading the initiative to **modernize legacy systems**, migrating them to **Spring Boot-based architecture**, enhancing maintainability and scalability.
- ➔ Own **legacy code enhancements**, adding new features and ensuring the stability and reliability of existing functionalities.
- ➔ Architecting a sophisticated **email service** integrated with **Single Sign-On (SSO)** capabilities, streamlining user experience.
- ➔ Created **Golang script** for downloading and fetch more relevant emails for agents, filtering out spam emails, handle DDoS attacks and distribute emails to Samsung support centers all over the India
- ➔ Creating **Golang APIs** for Portal dashboards and to summarize VOC (Voice of customer) tickets with the help of gen AI

Key Achievements:

- ➔ Reduced application **latency** by optimizing **database queries** and implementing **caching solutions**, significantly enhancing the user experience.

ACHIEVEMENTS

- ➔ **3rd Position** in Innovators Fest Makathon
- ➔ **Finalist** in Makathon VIT contest
- ➔ **Solved 450+ questions** on platforms like **GFG** and **Hackerrank**
- ➔ **5-Star rating** for **Java** on Hackerrank

CERTIFICATIONS

- ➔ [Algorithmic Toolbox – Coursera](#)
- ➔ [Object-Oriented Programming in Java – Coursera](#)
- ➔ [Problem-Solving Certification – Hackerrank](#)

- ➔ Led the **migration of legacy systems** to a modern architecture, resulting in improved **system reliability** and a reduction in maintenance costs.
- ➔ Received commendations for delivering **high-quality backend solutions**, contributing to overall project success.
- ➔ Successfully integrated multiple services, optimizing system performance and **reducing operational overhead**.
- ➔ Handles all the market issues of EMS Portal (Email Management System)

Capgemini, Bangalore | Software Developer | June 2021 – May 2022

Responsibilities:

- ➔ Re-architected existing services to improve **modularity**, enhancing separation of concerns and boosting system flexibility.
- ➔ Conducted thorough monitoring and debugging of the **SAP CPI Integration suite**, resolving integration issues with **SAP S/4HANA systems** to ensure seamless operations.
- ➔ Fostered **client communication**, ensuring requirements were met and updates were provided promptly, leading to improved project alignment.

PROJECTS

- ➔ [Rental Vehicle System](#): Designed a fully-featured booking platform for cabs, including billing, feedback forms, and cancellations. Implemented using **JSP, servlets, JDBC, MySQL, HTML, and CSS**.
- ➔ [Apartment Security System](#): Developed an application to manage security duties, including roles for flat owners and guards, with features for delivery management, visitor tracking, and security alerts. Built using **Spring Boot, MySQL, and React.js**.

PERSONAL DETAILS

Address : ATS Pious, Sector -150, Noida

Date of Birth : 30-June-1998

Languages Known : English, Hindi