Hareesh Rajendran

hareesh.web.app | Software Developer
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EDUCATION

RMK ENGINEERING COLLEGE
BE in Computer Science
2019 - 2023 | CGPA:9.17 / 10.0

RPC MATRIC HR SEC SCHOOL
Computer Science Top Scorer
Grad. May 2019 | Cum Per : 87.84

LINKS

Github://**hareesh-r**
LinkedIn://**hareesh-r**
Leetcode://**hareeshprogrammer**
Skillrack://**Hareesh R**
YouTube://**Hareesh Rajendran**

SKILLS

Programming: C, C++, **Java**, **JavaScript**, Python, Dart, HTML, CSS, **SQL**, **GraphQL**

Frameworks/Libraries: React, Handlebars, **Spring Boot**, Node.js, Tailwind, Bootstrap, Apollo Federation, Pandas, **ORM**, **REST APIs**

Tools & Platforms: Firebase, Zoho Catalyst, Postman, Android Studio, Eclipse, IntelliJ

Development Practices: CI/CD, Design Patterns, Conventional Commits, MVC

COURSEWORK

Data Structures and Algorithms
Operating Systems
Data Science [**Link**]
Object Oriented Programming [**Link**]
Machine Learning [**Link**]

COMMUNITY

Namma Flutter: Delivered a speech on (MBaaS) for Flutter developers.
JS Lovers: Invited speaker on JavaScript Design Patterns.
GID Summit, Bangalore: Selected as a Developer Representative for Zoho Catalyst.

EXPERIENCE

ZOHO CORPORATION | Member of Technical Staff
06/2023 - Present | Chennai, India

Backend Development

- Designed and implemented backend services using **Java, GraphQL**, and **REST APIs** to integrate **10+ Zoho Products**, enhancing cross-product functionality.
- Reduced API response time by **30% through database** optimization and efficient query handling in **MySQL.**
- Engineered custom **thread pool logic** to manage high traffic and restrict DDoS attacks, improving system security and scalability by 90
- Transitioned from **schema stitching** to Apollo **Federated Architecture**, improving API query **performance by 60%**.
- Led the backend migration from **Java 8** to **Java 11** and maintained the security updates for GraphQL microservice.

Frontend Development

- Designed and Developed a **Drag & Drop UI** with an inbuilt **Monaco Editor** for creating **custom GraphQL APIs** using HTML, CSS, and **JavaScript**, leading the complete frontend development and doubled customer engagement

ZOHO CORPORATION | SDE - Project Trainee [Intern]
07/2022 - 06/2023 | Chennai, India

- Initiated the **Integration of GraphQL** across **Zoho products** (e.g., Zoho CRM, Zoho Books) into a **single GraphQL endpoint**, streamlining data access across multiple platforms.
- Executed **Search and Analytics** features using **Spring, JSP, Handlebars.js, HighCharts,** and **Mickey (ORM)** in a **serverless** environment (Zoho Catalyst), enhancing product functionality.
- **Identified and resolved 50+ critical bugs**, preventing Internal Server Error - 500, significantly improving product stability and reliability.
- **Laid the foundation for a GraphQL-based microservice** architecture for cloud integration, similar to **Hasura, AWS AppSync, and OneGraph,** ensuring scalability and performance

PROJECTS

INSTAGRAM AND WHATSAPP AUTOMATION Python | OpenAI API | Facebook API | Webhooks

- Created an **automated** system for Instagram comment replies using **OpenAI API** for generating AI-driven, context-aware responses, integrated with **Facebook API** to process incoming data via **webhooks**.
- Built **automated reply mechanisms** to ensure timely and relevant responses, leveraging **webhook event**s for efficient handling of comment data.
- **Automated WhatsApp message handling** through the **WhatsApp API**, implementing features for message parsing, forwarding, and **prompt-based filtering** to enhance message relevance and user engagement