

Alagappan P

azhagu.swe@gmail.com | LinkedIn.com/azhagu-swe | +91 7502005724 | Portfolio

SKILLS

LANGUAGES

Java (Core, 8+) | SQL | JavaScript | HTML | CSS

FRAMEWORKS/TECHNOLOGIES

Spring Boot | Spring MVC | Spring Data JPA | Hibernate | RESTful APIs | Microservices | RabbitMQ | Redis

DATABASES

PostgreSQL | MySQL

TOOLS

Git | IntelliJ IDEA | VS Code | Maven

PLATFORMS

Windows | Ubuntu | AWS (Basic)

LINKS

Github: github.com/azhagu-swe

EDUCATION

H.H.THE RAJAH'S COLLEGE

M.SC IN COMPUTER SCIENCE

Sep 2020 | Pudukottai, Tamil Nadu

Percentage : 74 %

H.H.THE RAJAH'S COLLEGE

B.SC IN COMPUTER SCIENCE

April 2018 | Pudukottai, Tamil Nadu

Percentage : 71 %

VALAMPURI VADUGANATHAN

HR. SEC.SCHOOL

2015 | Pudukottai, Tamil Nadu

Percentage : 64 %

GOVT. HR. SEC. SCHOOL

2013 | Pudukottai, Tamil Nadu

Percentage : 89 %

ACHIEVEMENTS

Debugging Competition:

Secured **Second Prize** in Debugging Competition, held at *National College*, Trichy.

CERTIFICATIONS

- Full Stack Java Development Course SkillUP by Simplilearn, 2022
- Java Certification Course SkillUP by Simplilearn, 2022

SUMMARY

Software developer with nearly **3 years of experience** specializing in high-performance backend systems using **Java** and **Spring Boot**. Skilled in **optimizing API response times and enhancing database efficiency** through advanced query tuning. Eager to apply strong problem-solving skills to drive growth and innovation on new projects.

EXPERIENCE

MEMOB PLUS PVT LTD | JUNIOR SOFTWARE DEVELOPER

April 2023 -- Present | Chennai, Tamil Nadu

- Contributed to the modernization of a legacy system by re-architecting and optimizing critical **APIs** and enhancing the user interface, resulting in improved system speed and user experience.
- Designed and developed scalable **RESTful APIs** using **Java** and **Spring Boot**, focusing on low latency and high throughput.
- Engineered a key integration with the **TikTok Marketing API** to automate the creation of **Custom Audiences**. Leveraged the **Customer File API** to allow advertisers to find people who have already engaged with their business, enhancing ad targeting capabilities.
- Built front-end parts with **Next.js** to make interactive and user-friendly interfaces.
- Used **Redis** caching and **RabbitMQ** for smooth background tasks and data handling.
- Reduced API waiting time by 20% by using targeted **Redis** caching effectively.
- Made **PostgreSQL** database 10% faster by improving queries and indexing.
- **Tech Used:** Java, Spring Boot, TikTok Marketing API, OAuth 2.0, RabbitMQ, Redis, Next.js, Redux, MUI.
- **Database:** PostgreSQL.

MEMOB PLUS PVT LTD | SOFTWARE DEVELOPER TRAINEE

Aug 2022 -- April 2023 | Chennai, Tamil Nadu

- Optimized database queries to enhance data retrieval speed and improve application performance.
- Created a special proximity hash in **Java** for better location-based targeting.
- This **Java**-based proximity hash made location targeting 15% more accurate.
- **Tech Used:** Java, Spring Boot, RabbitMQ, Redis, React.js, Mapbox, MUI.
- **Database:** PostgreSQL.

PROJECTS

GEOHASH PROXIMITY ENGINE JAVA GEOSPATIAL UTILITY

May 2023 | Git: Proximityhash-javas

- Converted Python's ProximityHash library to Java for geohash generation with 10-meter accuracy.
- Reduced geohash generation time by 20% compared to the Python version.
- Deployed in a production DSP to target over 1M mobile devices via geohash lookups.
- **Tech Stack:** Java, Spring Boot, Maven, Geohash Algorithm