

Alaagappan P

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SKILLS

LANGUAGES

Java | JavaScript | HTML | CSS | SQL

FRAMEWORKS

Spring Boot | Next.js | React.js | MUI |
Hibernate |

TOOLS

Git | PostgreSQL | MySQL |

PLATFORMS

windows | Ubuntu |

LINKS

Github: github.com/azhagu-swe

Portfolio: azhagu-swe.github.io

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

Full-Stack Developer with 2+ years of experience in creating scalable software solutions using Java and Spring Boot. Proven ability to reduce latency (40% Skilled in developing responsive, user-friendly interfaces with Next.js and React.js, delivering robust applications in high-traffic environments.

EXPERIENCE

MEMOB PLUS PVT LTD | JUNIOR SOFTWARE DEVELOPER

Apr 2023 -- Present | Chennai, Tamil Nadu

- Modernized a legacy DSP by updating its **UI** and **API** for better performance.
- Developed scalable **RESTful APIs** using **Java** and **Spring Boot** to lower latency.
- Built dynamic front-end components with **Next.js** for interactive interfaces.
- Integrated **Redis** caching and **RabbitMQ** for efficient asynchronous processing.
- Reduced API latency by 40% using targeted **Redis** caching.
- Improved **PostgreSQL** performance by 30% via index tuning and query optimization.
- **Tech Stack:** Java, Spring Boot, RabbitMQ, Redis, Next.js, Redux, MUI.
- **Database:** PostgreSQL.

MEMOB PLUS PVT LTD | SOFTWARE DEVELOPER INTERN

Aug 2022 -- Feb 2023 | Chennai, Tamil Nadu

- Optimized database queries to speed up data retrieval.
- Implemented custom proximity hash in **Java** for advanced geospatial targeting.
- Developed a proximity hash algorithm in **Java**, boosting location targeting accuracy by 15%.
- **Tech Stack:** Java, Spring Boot, RabbitMQ, Redis, React.js, Mapbox, MUI.
- **Database:** PostgreSQL.

PROJECTS

PORTFOLIO NEXT.JS APPLICATION

Sep 2024 | Live Demo | Git: Portfolio

- Built a responsive portfolio with dynamic project filtering, increasing user engagement by 25%.
- Achieved 95+ Lighthouse performance score using Next.js static site generation.
- **Tech Stack:** Next.js, TypeScript, React.js, MUI.

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, Geohash Algorithm, GeoRaptor Compression.