

# Alagappan P

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## SKILLS

### LANGUAGES

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

### FRAMEWORKS/TECHNOLOGIES

Spring Boot | Spring MVC | Spring Data JPA | Hibernate | RESTful APIs | Microservices | RabbitMQ | Redis | AWS (EC2)

### DATABASES

PostgreSQL | MySQL

### TOOLS

Git | SonarQube | IntelliJ IDEA | VS Code | Maven | Gemini CLI | Qwen CLI

### PLATFORMS

Windows | Ubuntu

## LINKS

GitHub: [github.com/azhagu-swe](https://github.com/azhagu-swe)

## EDUCATION

### H.H.THE RAJAH'S COLLEGE

M.SC IN COMPUTER SCIENCE

2018 -- 2020 | Pudukottai, Tamil Nadu  
Percentage : 74 %

### H.H.THE RAJAH'S COLLEGE

B.SC IN COMPUTER SCIENCE

2015 -- 2018 | Pudukottai, Tamil Nadu  
Percentage : 71 %

## 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
- **ChatGPT Advanced Course** SkillUP by Simplilearn, 2025
- **Introduction to Prompt Engineering** SkillUP by Simplilearn, 2025

## SUMMARY

Full-stack Java developer with **3+ years of experience** building reliable and efficient systems using **Spring Boot**. Skilled in creating clean APIs and improving database performance. Quick learner and problem solver, ready to contribute to impactful projects.

## EXPERIENCE

### MEMOB PLUS PVT LTD | JUNIOR SOFTWARE DEVELOPER

Aug 2022 -- Present | Chennai, Tamil Nadu

- Designed and developed scalable **microservices** using **Java** and **Spring Boot**, exposing **RESTful APIs** focused on low latency and high throughput.
- Architected and implemented a **unified audience management service** to integrate with **Meta**, **Snapchat**, and **TikTok** marketing platforms.
- Contributed to the modernization of a legacy system by re-architecting and optimizing critical **APIs**, enhancing UI, and improving overall system speed and user experience.
- Significantly reduced API latency by implementing a targeted **Redis** caching strategy for background tasks.
- Enhanced database performance through strategic indexing and advanced **PostgreSQL** query optimization.
- Ensured high code quality and maintainability by integrating and utilizing **SonarQube** for static code analysis and bug detection.
- Developed a special **proximity hash** in **Java**, improving accuracy in location-based targeting.
- Optimized database queries to improve data retrieval speed and application performance.
- Built front-end parts with **Next.js** to make interactive and user-friendly interfaces.
- **Tech Used:** Java, Spring Boot, Microservices, RabbitMQ, Redis, React.js, Next.js, MUI, Mapbox, Meta Ads API, Snapchat Marketing API, TikTok Marketing API, OAuth 2.0, AWS EC2, Docker.
- **Database:** PostgreSQL.

## PROJECTS

### FARMCONNECT: FULL-STACK E-COMMERCE PLATFORM A COMPREHENSIVE, ROLE-BASED E-COMMERCE APPLICATION CONNECTING LOCAL FARMERS WITH CONSUMERS.

July 2025 | Live: [farm-ui-pi.vercel.app](https://farm-ui-pi.vercel.app)

Git: [github.com/azhagu-swe/farm-connect](https://github.com/azhagu-swe/farm-connect)

- Architected a full-stack e-commerce app with distinct, role-based dashboards for Buyers, Farmers, and Admins.
- Implemented robust Role-Based Access Control (RBAC) using **Spring Security** to secure application routes.
- Built a complete e-commerce frontend featuring product filtering, a shopping cart, and a multi-step checkout process.
- **Tech Used:** Java, Spring Boot, Spring Security, PostgreSQL, React, TypeScript, CSS, Docker.

### DEVELOPER PORTFOLIO - PERSONAL WEBSITE

Live: [azhagu-swe.github.io/portfolio](https://azhagu-swe.github.io/portfolio)

Git: [github.com/azhagu-swe/portfolio](https://github.com/azhagu-swe/portfolio)