

Thangamarikumar K

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SUMMARY

Software Developer with 3+ years of experience specializing in Java, Spring Boot, MySQL and JavaScript. I have a solid track record in building scalable backend systems, including REST APIs and chatbots, while focusing on database optimization for better performance. My passion for technology and automation drives me to continuously improve operational efficiency in every project I undertake.

TECHNICAL SKILLS

- **Programming Languages:** Java, J2EE, Spring Boot, RESTful APIs, JSON, JavaScript, MySQL
- **Developer Tools:** VS Code, Postman, Eclipse, MTPuTTY
- **Build & Version Control:** Maven, Git, GitHub, Linux
- **Practices & Monitoring:** Agile Methodology, Cron Jobs, Log4j2
- **Payment Gateways:** BillDesk, SurePay

EXPERIENCE

• Software Developer - Inswit Software Private Limited, Chennai

Software development company focused on innovative automation solutions

Apr 2022 – Present

- Designed and developed scalable WhatsApp chatbot applications using JavaScript, Java, Spring Boot and MySQL to enhance automation and user engagement.
- Built and integrated RESTful APIs with third-party systems to ensure seamless data flow and service connectivity.
- Managed MySQL schema design, indexing, and query optimization to improve database performance and reliability.
- Automated multiple business workflows, significantly reducing manual effort and improving operational efficiency.

• SAP Trainee - Neel Industries Pvt Ltd (JBM Group), Chennai

A company engaged in industrial product manufacturing and solutions

Apr 2021 – Feb 2022

- Gained hands-on experience in SAP (Systems, Applications, and Products in Data Processing) with a focus on billing and stock management modules.
- Managed stock entries and adjustment activities to maintain accurate inventory records.
- Prepared technical billing documentation using SAP transaction codes.

PROJECTS

• WhatsApp Ticket Booking (CMRL)

A WhatsApp-based ticket booking system designed to enhance customer experience.

- Designed and developed scalable WhatsApp chatbot applications using JavaScript, Java, and MySQL.
- Developed and maintained RESTful APIs using Spring Boot for seamless third-party integration.
- Performed query optimization, indexing, and performance tuning to improve database response time.
- Automated operational workflows, reducing manual effort and improving system reliability.

Technology Used: JavaScript, Java, MySQL, REST APIs.

• Bank of India WhatsApp Chatbot

A chatbot enabling customers to access banking services through WhatsApp.

- Managed and enhanced Bank of India's WhatsApp banking services, enabling customers to check account balances, view statements, and access other digital banking features.
- Developed secure chatbot workflows with OTP verification and backend validation to support essential banking operations.

Technology Used: JavaScript, Oracle SQL, API's.

• TNeGA – State-wide Digital Services Platform

A large-scale government WhatsApp-based digital services platform.

- Led backend API architecture and development for state-wide government services across multiple departments.
- Designed and delivered secure, scalable RESTful APIs with production-grade availability.
- Developed AI-assisted backend automation using prompt-driven workflows with strict validation controls.
- Managed end-to-end payment processing, including SurePay integration, transaction reconciliation, status tracking, and failure handling.

Technology Used: JavaScript, Java, Spring Boot, MySQL, REST APIs

EDUCATION

• B.E. Electrical and Electronics Engineering

2017 – 2021

New Prince Shri Bhavani College of Engineering and Technology - Chennai

CGPA - 7.8