

# Hari Babu Thatikonda

Software Developer

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 LinkedIn

 GitHub

 [thughari.github.io](https://thughari.github.io)

## Experience

### Tata Consultancy Services

Aug 2022 – Present

Software Developer–Java, Spring Boot, Angular

Hyderabad, India

- Developed and maintained Angular components and RESTful APIs using Spring Boot, enabling seamless UI-backend integration and enhancing user experience.
- Reduced report generation time by 40% in the Financial Insights and Analytical Tool (FIAT) by optimizing backend logic and API performance for Verizon's finance platform.
- Resolved 100+ application vulnerabilities as part of Equitable's Vulnerability Remediation Team, improving overall system security and compliance.
- Refactored legacy modules into independently deployable microservices, reducing code maintenance time and improving scalability.
- Reduced backend response time by 20% by leveraging Java 8 features like Streams, Lambdas, and thread-safe operations for performance tuning.
- Designed secure APIs using JWT-based authentication and role-based authorization, ensuring 100% compliance in internal security audits.
- Implemented in-memory caching with Redis and optimized database queries, significantly improving data retrieval efficiency and boosting overall application performance and scalability.
- Implemented centralized logging and exception handling with Spring AOP and SLF4J, improving error traceability.
- Collaborated across Agile teams to deliver features in sprints, consistently meeting sprint goals and backend delivery deadlines.

## Projects

### Mental Health Application | Java, Spring Boot, Angular, Microservices, MongoDB, Ollama, llama3

[Demo](#) [GitHub](#)

- Designed and developed an AI-powered Mental Health App with Spring Boot, Angular, JWT-secured microservices, and a RAG-based LLaMA 3 chatbot, featuring a health dashboard.

### Random Chat | Java 21, Spring Boot, WebSockets, HTML/CSS, JavaScript, WebRTC, Virtual Threads

[Demo](#) [GitHub](#)

- Built a real-time video chat app using WebRTC for media exchange and Spring Boot WebSocket for signaling, with a scalable backend powered by Java 21 Virtual Threads.

### Collaborative Editor | Java, Spring Boot, WebSockets, Angular, TypeScript, MongoDB

[Demo](#) [GitHub](#)

- Developed a real-time collaborative text editor with an Angular frontend and Spring Boot backend using WebSocket for live multi-user editing and synchronization.

### National Scholarship Portal | Java, Spring Boot, Angular, MongoDB

[Demo](#) [GitHub](#)

- Built and deployed a full-stack Scholarship Management System using Spring Boot, Angular, and Dockerized REST APIs with multi-role access, deployed on Render.

## Technical Skills

**Programming Languages:** Java, TypeScript, JavaScript, Python

**Frontend:** Angular, HTML/CSS, Bootstrap, Tailwind

**Backend:** Spring Boot, Spring MVC, Hibernate, Microservices

**Databases:** MySQL, MongoDB

**Version Control:** Git, GitHub, GitLab

**DevOps & Cloud:** Google Cloud Platform (GCP), Docker, Jenkins

**Miscellaneous:** Postman, Swagger, JIRA, JWT, Agile, Veracode.

## Education

St. Ann's College of Engineering and Technology

B.Tech : **Electronics and Communication Engineering(ECE)**

July 2018 – June 2022

CGPA: 7.15