# Ramakrishna Aruva

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## OBJECTIVE

- Full-stack engineer specializing in cutting-edge technologies, seeking to leverage my expertise in Java Spring Boot, React, and Angular to deliver robust and scalable software applications.

## EDUCATION

**Southern Methodist University**                                                                                       **Dallas, Texas, USA**
*Master's, Software Engineering*                                                                                        *August 2023 - May 2025*
**CMR College of Engineering and Technology**                                                   **Hyderabad, Telangana, India**
*Bachelor's, Electronics and Communication engineering*                                    *August 2016 - September 2020*

## TECHNICAL SKILLS

**Languages & Frameworks:** Java, Python, JavaScript, React.js, Node.js, Express.js, Redux, Spring Boot,Angular,Moongoose,JPA,Object Oriented Programming
**Web Development Tools:** HTML/CSS, Tailwind CSS, UI/UX Design, Wireframe, Bootstrap, Next.js, MaterialUI
**Data Management & DevOps:** MySQL, MongoDB, AWS, Jupyter, NumPy, Pandas, Git, Docker, GraphQL, Nginx

## WORK EXPERIENCE

**Software Engineer**
*One Community Global, Dallas, USA*                                                                           *May 2024 - Present*

- Actively contributing to an **open-source project** as a software engineer, leveraging **Jest** Unit Testing to review over 50 pull requests and drive improvements in **code reliability, maintainability, and overall project stability.**
- Completed 7 tasks using **React, Node, Express, and MongoDB** to streamline workflows and accelerate development, enhancing overall project efficiency and progress.
- Converting class components into functional components and optimizing weekly schedule mechanisms with **useMemo and useEffect** hooks to improve performance, reduce memory usage, and enhance UI responsiveness.

**Software Engineer**
*Ivy Comptech, Hyderabad, Telangana, India*                                                        *August 2022 - July 2023*

- Designed and implemented a chat history mechanism using **Java and Spring Boot** to cache and retrieve up to 50 messages per user from **MySQL to Redis**, enhancing performance and reducing server load to improve user satisfaction.
- Developed new bingo games with a team of 4 using **Angular, TypeScript, and module federation**, and implemented winning animations with **Confetti.js**, boosting ticket sales by over **25%** and enhancing player engagement.
- Converted the chat component in a mono repo **Angular application** into a stand-alone library with drag-and-drop and resize features using pure **JavaScript** and implemented a **regex** mechanism to censor profanity, enhancing modularity, usability, and safety for users.

**Trainee Software Engineer**
*Ivy Comptech, Hyderabad, Telangana, India*                                                 *September 2021 - August 2022*

- Collaborated with a team of 12 to develop and optimize nine Bingo websites using **Angular, SASS, and JavaScript,** successfully launching them across EU countries to support **100,000+** active users with an engaging experience.
- Developed nine interactive chat features like **GIFs, stickers, emojis, and friend/unfriend** using **WebSockets, Socket.io, RxJS,** and integrated with a **Spring Boot JPA MySQL** database, boosting real-time engagement for 10,000+ users.
- Coordinated with Business, QA, and Deployment teams to streamline application upgrades and develop **backend RESTFUL APIs** for new Bingo variants, ensuring seamless updates and improved **user satisfaction.**

## PROJECTS

**QUICKHIRE Web Application for Employment Opportunities**                                              Link
**(Java Spring Boot, React, Tailwind CSS, Axios, Redux, AWS RDS, MySQL, JPA, JUnit)**   *Feb 2024 - May 2024*

- Developed a full-stack application with a team of 3 using **React, Tailwind CSS, Redux, Java, Spring Boot, and MySQL.** Created a platform to connect short-term employers with employees, incorporating **Axios** for API requests, **SMTP** for email notifications, and **JPA** for optimized data queries.

**BudgetBuddy Web Application for Financial Tracking**                                                           Link
**(Java Spring Boot, React, Tailwind CSS, Axios, Redux, PostgreSQL)**                        *August 2024 - Present*

- Developing a finance tracking application using **React, Redux, Spring Boot, and PostgreSQL.** Enabled users to track spending and income with an interactive dashboard, charts, and graphs.

## INTERESTING INTERESTS

**Hiking** * **Volunteering** * **Cricket** * **Leadership**