

Ramakrishna Aruva

+1 (940) 843 1082 - raruva@smu.edu - ramakrishnaaruva.com - linkedin.com/in/ramakrishnaaruva/ - github.com/Ramaruva

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

Master's, Software Engineering

Dallas, Texas, USA

August 2023 - May 2025

CMR College of Engineering and Technology

Bachelor's, Electronics and Communication engineering

Hyderabad, Telangana, India

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.

Personal Portfolio Website

[Link](#)

(Nextjs, Tailwind CSS, Javascript)

August 2024 - Present

- Developed a responsive personal portfolio using **Next.js and Tailwind CSS**, leveraging server-side rendering for optimized performance and deploying via GitHub Pages to showcase professional experience, projects, and bio with seamless user accessibility.

INTERESTING INTERESTS

Hiking * Volunteering * Cricket * Graduate Leadership * Computer Science Club