Ramakrishna Aruva

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OBJECTIVE

- Passionate software engineer with a track record of building scalable and user-focused applications, seeking to contribute to mission-driven teams solving real-world problems. Eager to apply expertise in Java, Spring Boot, React, and cloud infrastructure to support and advance the organization's core mission, while continually learning and contributing to innovative solutions that make a measurable impact.

TECHNICAL SKILLS

Programming Languages: Java, Python, SQL (Postgres, MySQL), JavaScript, HTML/CSS, MongoDB
Frontend: React, Angular, Next.js, Tailwind CSS, Material-UI, Redux, HTML/CSS
Backend and Frameworks: Java Spring Boot, JPA, Express.js, Node.js, FastAPI, Hibernate, Socket.io, JDBC
Cloud and DevOps: AWS (EC2, Lambda, RDS), Google Cloud Platform, Docker, Kubernetes, Jenkins, Kafka, Git, Postman
Tools and Libraries: Git, Jest, IntelliJ, Visual Studio, VS Code, Eclipse, pandas, NumPy
Awards& Certificates: Rookie of the Year, Certificate of Leadership in Hart Center for Engineering Leadership

EXPERIENCE

Software Engineer   May 2024 – Present
One Community Global   *Dallas(remote), TX*

- Implemented lazy loading for React components and optimized API calls using Express.js and MongoDB, increasing data retrieval speed by 30% and improving page load efficiency.
- Diagnosed and resolved React and Node.js issues, eliminating 95% of bugs. Converted class to functional components and integrated Redux, reducing state-related errors by 25%.
- Streamlined project workflows by analyzing 50+ pull requests and refining code with Jest unit tests, improving code quality, minimizing production errors, and enhancing system stability.

Computer Science Tutor   September 2023 – May 2025
Altshuler Learning Enhancement Center   *Southern Methodist University,Dallas(Part-time), TX*

- Delivered 100+ tutoring sessions covering Java data structures, CS fundamentals, and Processing, helping improve student understanding and academic performance.
- Simplified creative computing concepts using Processing through hands-on demos and interactive exercises, increasing engagement and enhancing project outcomes.

Software Engineer   September 2021 – August 2023
Ivy Comptech Pvt Ltd   *Hyderabad, India*

- Contributed to the development and maintenance of 9 Angular-based bingo sites, improving UI consistency and enhancing user engagement across European markets.
- Designed and implemented a profanity filter using a 100K-word dataset with Regex, Spring Boot, and MySQL, improving live chat content safety.
- Built Redis caching to retrieve archived messages and developed real-time chat using Socket.io and RxJS, supporting 30,000 concurrent users at peak load.
- Integrated Kibana and Logstash with Spring Boot and Angular apps for real-time log monitoring, reducing production issues by 90% and increasing deployment reliability.
- Developed new game features using TypeScript, Angular 14, and module federation, helping launch Bingo Boom and boosting customer acquisition by 20%.
- Solely developed 10+ chat features including GIFs, stickers, and friend/unfriend options using Spring Boot, Angular, and WebSocket APIs, enhancing user interaction and increasing session duration by 18%.

Junior Software Engineer   August 2020 – June 2021
Urban Rebox IT   *Hyderabad, India*

- Developed and deployed a dynamic dashboard using React and Spring Boot to visualize real-time e-tech waste cleanup data, boosting stakeholder insights and reporting efficiency by 60%.
- Implemented REST APIs and crafted optimized database queries using JPA and MySQL, streamlining backend processes and accelerating system response times by 30%.
- Collaborated with a cross-functional team of 5 to iterate on features based on client feedback, accelerating product-market fit in a fast-paced startup environment.

Software engineer Intern   August 2019 – May 2020
Urban Rebox IT   *Hyderabad, India*

- Authored 100+ unit test cases using Java and Spring Boot for early-stage backend modules, improving code reliability and catching 85% of bugs pre-deployment.
- Documented backend systems including APIs and test coverage, streamlining onboarding and reducing knowledge transfer time by 40%.

EDUCATION

Southern Methodist University   Dallas, TX
Master's in Computer Software Engineering   *August 2023 – May 2025*
- Relevant Coursework: Machine Learning, Cloud Computing, Software Architecture, Computer Networks, Computer Systems & Security

CMR College of Engineering and Technology   Hyderabad, India
Bachelor's in Electronics and Communication Engineering   *August 2016 – September 2020*
- Relevant Coursework: Data Structures & Algorithms, Java Programming, C Language, Embedded Systems, Digital Signal Processing, VLSI Design

PROJECTS

QUICKHIRE Web Application for Employment Opportunities   [Link](#)
(Java Spring Boot, React, Tailwind CSS, Redux, AWS RDS, MySQL)   *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,TailwindCSS,Javascript)   *September 2024 - October 2024*
- 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.