SAI RAM REDDY

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PROFESSIONAL SUMMARY

Full-stack Software Engineer with 3+ years of experience in architecting and developing scalable, secure, and high-performance applications. Proven ability to lead full-stack development using Angular, React, Flutter, Node.js, .NET, and PWA technologies. Expertise in optimizing performance (up to 60% load time reduction), building CI/CD pipelines, and delivering cloud-native solutions. Passionate about GenAI, clean architecture, and improving user experience across platforms.

TECHNICAL SKILLS

Programming: JavaScript, TypeScript, Python, C#, HTML5, CSS3
Frontend: Angular (up to v19), React, Flutter, Next.js, NgRx, Redux, Tailwind CSS, SCSS, Bootstrap, Material-UI, PWA
Backend: Node.js, Express.js, .NET Core, RESTful APIs
Mobile: React Native, Flutter, PWA with WebView integration
Database: MySQL, IndexedDB, NoSQL, MongoDB, Local/Session Storage
Cloud/DevOps: Azure, Docker, Git, CI/CD, Webpack
Security: JWT, OAuth, CSRF Prevention, SQL Injection Mitigation, Encryption
Other: TensorFlow.js, WebSockets, WebRTC, Web Workers, VSCode Extensions, System Design, AI/ML

PROFESSIONAL EXPERIENCE

Senior Software Engineer — Bajaj Finserv
Bangalore, India — Feb 2023 – Present

- Architected and maintained Angular 19-based CRM platforms with JWT auth, IndexedDB caching, and NgRx state management.
- Built a Flutter-based internal tool with WebRTC video calling capability to enable faster face-to-face interactions between customer service agents and remote support teams, improving collaboration.
- Migrated legacy mobile app to PWA with WebView-JS bridge for 50M+ users, improving load speed by 60% and reducing crash rates.
- Built enterprise-grade FinTech apps using Angular, RxJS, Tailwind, and lazy loading to optimize performance.
- Developed real-time toxic content filtering using TensorFlow.js and AI models.
- Led CI/CD automation pipelines and module federation setup to reduce deployment time by 40%.
- Delivered Gold Loan/Document Centre modules, improving NPS by 35%.
- Ensured 99.9% app uptime with efficient system design and scalable microservices.
- Developed .NET-based backend services using clean architecture with encrypted API request/response, MSAL auth, Azure Blob Storage integration, and middleware layer.
- Collaborated with DB and backend teams to deliver full-stack features with a secure API layer.

Frontend + Flutter Developer — epikindifi
Chennai, India — Jan 2022 – Nov 2022

- Built unified frontend for Yoma Bank using Angular, React, and Flutter, delivering consistent UI/UX across platforms.

- Developed reusable UI component library across mobile and web platforms.
- Implemented key mobile banking flows using Flutter and ensured API integration across platforms.
- Created backend APIs using Node.js/Express, integrating middleware, encryption, and MSAL authentication for secure data flow.
- Worked with Azure Blob Storage to store secure customer documents.
- Set up clean architecture in Flutter projects for scalable and maintainable development.

EDUCATION

B.Tech in Computer Science and Engineering, VIT University, Vellore (2018 – 2022)
Specialization: Information Security — CGPA: 8.26/10

PERSONAL INITIATIVES

ODC Dashboard – AI-powered LangChain + Gemini chatbot with real-time streaming.
Memory Mapper – Musical memory platform with Spotify integration.
Barter Hub – Real-time cross-platform barter system using React Native + Firebase.
Business Decode – Platform connecting business students with shop owners.
Code Play – Real-time HTML/CSS/JS compiler using vanilla JavaScript.
E-Mess System – QR-based real-time queue management tool.
Tesla Clone – UI clone using React + Three.js showcasing EV features.
PipeCode LMS (in progress) – Co-developing a modern open-source LMS (private for now) inspired by Open edX. Built with Angular micro-frontends. Project will be made public after initial setup.
Video Call App – Built a Flutter web app using WebRTC for real-time video calling across browsers.

OPEN SOURCE CONTRIBUTIONS

Roo Code (github.com/RooCodeInc/Roo-Code) – Contributed to RooCode, a GitHub Copilot-like tool built on Next.js as a VSCode extension. Implemented a retry mechanism for Mermaid diagram rendering when LLM returns invalid syntax, improving UX in real-time chat interface. Quickly understood entire codebase and delivered a working feature within a day. Actively engaged in collaborative code reviews.

AWARDS & RECOGNITION

- Prodigy Award – Web and mobile innovation at Bajaj FinServ.
- Heroes Award – Company-wide innovation contest winner.
- Kudos Award – Recognized for outstanding delivery.
- CTF Finalist – Top 30 in Bajaj Group cybersecurity challenge.
- 1st Prize – Duothon Hackathon — 3rd Prize – 7-minute Plank Challenge.

CERTIFICATIONS

- Python Bootcamp – Udemy
- Ethical Hacking in Python – Udemy
- React + Next.js 2025 – Udemy
- Android Kotlin Masterclass – Udemy
- Web Development Bootcamp – Udemy
- Full Stack Development – EC-Council

LANGUAGES

English (professional), Telugu (native), Hindi (intermediate)