Sadeepa Bandara

Senior Software Engineer
Superior, WI
📧 sadeepaj12@gmail.com | 📞 (651) 387-9532
GitHub: github.com/janith3454 | LinkedIn: linkedin.com/in/sadeepabandara | Portfolio: sadeepabandara.com

---

SUMMARY

Senior Full-Stack Software Engineer with 5+ years of experience building scalable **frontend, backend, and mobile** systems. Strong background in **React-based web applications**, system design, API architecture, and real-time data platforms across healthcare, research, and IoT domains. Proven ability to align engineering execution with business goals, delivering reliable, maintainable, and user-centric solutions in regulated environments.

TECHNICAL SKILLS

Languages: Java, Kotlin, JavaScript, TypeScript
Frontend: React.js, Material-UI
Mobile: Android (Jetpack, MVVM)
Backend: Node.js, GraphQL, Apollo Server, REST APIs
Data: SQL, NoSQL, real-time data processing
Cloud & DevOps: Docker, CI/CD pipelines
Testing: Cypress, automated integration & end-to-end testing
Practices: System design, scalable architecture, performance optimization, Agile, code reviews

EXPERIENCE

Senior Software Engineer — *GeaCom, Inc.* | Duluth, MN
Feb 2023 – Present *(Promoted to Lead Engineer, Jan 2025)*

- **Owned all React web application development**, delivering a clinician-facing real-time patient data visualization platform and a patient event registration system integrated with AthenaOne for automated profile creation and appointment booking.
- Designed and owned backend and API architecture for a medical-device platform supporting real-time patient data ingestion and visualization.
- Built scalable GraphQL services (Apollo Server) enabling secure communication between embedded devices, Android clients, and web applications.
- Developed and maintained Android applications for real-time patient monitoring and clinician workflows.
- Integrated AthenaOne EMR APIs to automate clinical data exchange, improving data accuracy and reducing operational overhead.
- Partnered with product and leadership to translate business requirements into technical designs and delivery plans.
- Improved system reliability and maintainability through design reviews, performance tuning, and test automation.

Software Engineer — *Exosite IoT Solutions* | Minneapolis, MN
Jun 2022 – Sep 2022

- Developed full-stack features in React.js and Node.js for IoT-driven clinician applications.
- Reduced technical debt by modernizing Material-UI components and resolving UI and functional defects.

- Implemented Cypress end-to-end testing, improving release stability and regression detection.

Software Engineer (Research Platforms) — *MEI Research, Ltd.* | Remote
Jun 2021 – May 2022

- Built and enhanced software tools supporting clinical research workflows and data collection.
- Implemented algorithms and data-processing logic to support research analysis and reporting.
- Collaborated with cross-functional research teams to translate study requirements into reliable software systems.

Research Study Assistant — *University of Michigan* | Remote
Aug 2021 – Dec 2021

- Supported academic research initiatives through data management, validation, and technical analysis.
- Ensured data integrity and consistency across research systems and reporting workflows.

EDUCATION

Bachelor of Science in Computer Science
St. Cloud State University — **Dec 2022**