

Sai Venkatram

✉ saiv.contact@gmail.com | 📞 +91 9080228432
🌐 github.com/saivenkatram-git | [linkedin.com/in/sai-venkatram](https://www.linkedin.com/in/sai-venkatram)

Skills

Languages: JavaScript, TypeScript, Go, Dart, Python, Java, SQL

Technologies & Tools: React, NextJs, Flutter, Angular, PostgreSQL, MongoDB, Jenkins, Git, AWS, EC2, SQS, RDS, CloudWatch, ECS, RabbitMQ, Docker, Sentry

Work Experience

Kredere Wealth Partners Public Ltd, Mumbai

November 2024 - Present

Senior Software Engineer

- Architected and developed frontend for BUX personal finance app using Flutter with backend API integration and Sentry monitoring, supporting 5,000+ concurrent user sessions in production load testing.
- Optimized backend API performance by 40% through re-engineering Split and Budgeting modules in Golang with efficient PostgreSQL queries, achieving consistent sub-200ms response times
- Built complete AWS infrastructure and CI/CD pipeline using GitHub Actions, enabling zero-downtime deployments across staging and production environments with real-time monitoring via Sentry and CloudWatch.
- **Technologies:** Flutter, Golang, PostgreSQL, Firebase, AWS (EC2, RDS, CloudWatch), GitHub Actions, Docker, Sentry

Indian Energy Exchange, Mumbai

April 2024 - October 2024

Software Engineer

- Architected and executed migration of mission-critical energy trading system to modern web architecture, achieving zero data loss and 100% uptime during transition across 6-month deployment cycle
- Developed comprehensive transaction auditing system in collaboration with compliance team, ensuring full regulatory compliance while maintaining system performance under high-volume trading loads
- Engineered real-time data visualization components for bid-placement system using Angular and RxJS, reducing trade execution latency by 42% and increasing trader efficiency by 25%
- **Technologies:** Angular, TypeScript, RxJS, SQL Server

Education

Manipal University Jaipur

Aug 2019 - Jun 2023

B.Tech in Electronics and Communication Engineering

CGPA: 8.0/10

Relevant Coursework: Data Structures and Algorithms, Financial Computing, Database Management Systems, Object Oriented Programming, Discrete Mathematics, Networks, Statistical Analysis

Project Work

- **BUX - Personal Finance Mobile Application:** Built cross-platform personal finance app with budgeting, expense tracking, and financial analytics dashboard. Implemented secure user authentication and real-time data synchronization across devices. Integrated with banking APIs for automatic transaction categorization and account management. *Technologies: Flutter, Golang, PostgreSQL, Firebase, AWS, Docker, Sentry.*
- **Redez - In-Memory Database System:** Developed custom in-memory database inspired by Redis and DiceDB for real-time data operations. Built WebSocket-based subscription system for live data streaming to clients. Implemented efficient data structures and memory management achieving sub-millisecond query response times. *Technologies: Golang, WebSocket, Custom Data Structures, Memory Management, Real-time Streaming.*
- **TaskFlow - Team Collaboration Platform:** Created an in-house web-based project management application with real-time collaboration features and task assignment workflows. Built notification system with email and in-app alerts for project updates and deadlines. Implemented file sharing capabilities with secure cloud storage integration and user permission management. *Technologies: ReactJS, Node.js, MongoDB, Socket.io, AWS S3, Resend*

Certifications and Additional Experience

- Awarded 3rd place at the **TCET ACM Hackathon 2024** for innovative mobile application development
- **Networking & Security in iOS Applications** - University of California, Irvine (Coursera)
- **Complete Flutter & Dart for Cross-platform Development** - Udemy certification
- **Advanced UI/UX with Infographics** - Michigan State University (Coursera)