


SHARON ROSARIO

SOFTWARE ENGINEER

✉ sharon2002222@gmail.com ☎ 9380993995  <https://www.linkedin.com/in/sharon-rosario-b7164327b/>

ABOUT ME

I'm a stack-independent Software Engineer passionate about solving real-world problems through code. I build scalable web and cross-platform applications using React, Next.js, Node.js, TypeScript, and FastAPI, with hands-on experience across AI/ML, RPA automation, and DevOps. Skilled in Docker, Kubernetes, and cloud deployments (AWS, Azure), I've delivered 12+ end-to-end projects that blend performance, usability, and intelligent automation. I thrive in fast-paced, collaborative environments where innovation meets impact.

Explore my portfolio — [Sharon.dev](#) — to see my technical skills, domain expertise, client reviews, and links to all my key professional profiles.

TECHNICAL SKILLS

- **Programming Languages:** Java (Data Structures & Algorithms - Leetcode 400+), JavaScript, TypeScript, Python, Golang.
- **Frontend:** React.js, React Native, Next.js, React, Redux, Yup, Formik, TailwindCSS, Bootstrap, Material UI, Shadcn
- **Backend:** Node.js, Express.js, NestJS, WebSockets, REST APIs, Firebase, Nodemailer, FFmpeg Video processing and media servers, Microservices architecture, RPA
- **Databases:** SQL, MongoDB, Redis, PostgreSQL, Prisma
- **DevOps & Cloud:** AWS (EC2, S3, ECS), Selenium load testing, Jitsi server, Docker, Kubernetes, GCP, Azure, Netlify, Vercel.
- **Computer Vision:** Face recognition, palm detection, drowsiness detection.
- **AI :** FastAPI, TensorFlow, PyTorch, Scikit-learn, OpenCV, Pandas, NumPy, Jupyter, Tesseract, Gemini/Claude/ChatGpt API
- **Real-Time:** WebRTC, WhatsApp API, Jitsi video conferencing, WebSocket, Firebase chat, Agora SDK, MQTT, RabbitMQ.
- **Agile:** Scrum, JIRA, sprint management, Notion, GitHub/GitLab.

WORK EXPERIENCE

Out of the 12+ projects i have contributed into, these 4 are most recent:

#1 AutoTax Agent - RPA + AI Agent

Led the development of a full-scale tax automation platform for a CA firm, reducing manual individual tax processing from 8 hours to 20 minutes. Architected a distributed system with 6 servers: a MERN-stack CRM for client management, Python-based automation engines deployed on Kubernetes for parallel task processing, and a dedicated Windows server for RDP-based automation of individual client systems. Implemented real-time communication with MQTT and robust task queuing with RabbitMQ to ensure seamless coordination across services. Delivered end-to-end automation with high scalability, performance optimization, and reliability, earning commendation from the client for technical excellence and full-stack leadership.

#2 HELIUM - Advanced Education Platform

Helium is a next-generation e-learning platform featuring content management, live streaming via Jitsi, real-time notifications, AI-driven emotion analytics, and detailed student performance dashboards. Contributed to lecture management, live streaming, and recorded session scheduling for thousands of concurrent students. Optimized performance with Redis caching, conducted load testing for 300+ students, and enhanced real-time notifications and analytics dashboards.

#3 ROSHN-GPT

A custom ChatGPT-inspired application tailored for a German client. I developed a responsive frontend with features like history management, global search, and SSO integration. Used Google Cloud Functions for scalability and sockets for real-time updates. Additionally, implemented an NLP-driven chatbot module with a RAG-based backend that queried databases in real time, generated structured responses, and dynamically visualized insights through pie and bar chart analytics in realtime.

#4 GENIMA - Health Management System


Developed role-based admin panels, patient onboarding, and real-time chat with Agora video/audio integration. Implemented pediatric modules, drug dosing, online/offline consultations, and scalable AWS deployment across 50+ healthcare modules distributed over four hierarchical CRM layers.

#5 ANANTA HOTEL CRM

A robust hotel management CRM with a Next.js admin panel, Flutter app, and React.js guest portal. Developed role-based access, guest onboarding, and order management with real-time dashboards. Architected 25+ interconnected modules across 5 hierarchies covering hospitality, gym, travel, restaurant, and spa operations.

SHARON ROSARIO

FULL STACK DEVELOPER

✉ sharon2002222@gmail.com ☎ 9380993995  <https://www.linkedin.com/in/sharon-rosario-b7164327b/>

SOFT SKILLS

- Problem-Solving & Analytical Thinking.
- Decision-Making & Communication.
- Teamwork & Collaboration.
- Leadership & Scrum Management.
- Adaptability & Willingness to Learn.

EDUCATION AND COURSES

Bachelor of Computer Applications
Shivaji Arts, Commerce, and BCA College, Karwar (KUD
University)
CGPA: 8.1 | Completed in 2023

Coursework: React Advanced, DSA in Java, Intermediate
JavaScript