

# Shankhya

Senior Software Engineer | Full Stack Developer | 4+ Years

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## PROFILE SUMMARY

**Senior Software Engineer with 4+ years** of experience in full-stack software development, delivering user-centric, scalable solutions aligned with strategic objectives. Experienced in building secure, high-performance systems for trading platforms. Skilled in cloud-native architectures, API design, automation, and cross-functional collaboration.

## EXPERIENCE

### ETRM SERVICES | SOFTWARE ENGINEER

Dec 2021 – Current | Mumbai, India

- **Led system integrations and mentored 8+ junior developers**, optimizing 50+ automated trade interfaces for ICE/NYMEX. Reduced manual intervention by 40% and improved operational efficiency, contributing to smoother business operations.
- Built a **cross-database comparison tool, eliminating 95% of data errors** and **enhancing query performance by 50%**.
- **Engineered a custom Load Balancer** using microservices architecture, **improving demand forecast publication 80% faster** and ensuring reliable data processing.
- **Developed a Python-based licensing solution** with encryption algorithms, ensuring **100% secure key generation** and **seamless client-side management**.
- **Increased system efficiency by 30%** through backend optimizations in .NET and SQL, significantly **reducing API response times by 40%**.
- **Designed and maintained scalable GitHub workflows and CI/CD pipelines**, reducing deployment times by 60% and increasing release frequency across dev, stage, and prod environments. Streamlined collaboration between internal teams, client developers, and contractors using Git, GitHub
- Implemented **enterprise-grade authentication mechanisms** (MSAL, JWT, OAuth 2.0, RBAC), **enhancing security and access control compliance by 100%**.

### WISHBAG | GAME DEVELOPMENT INTERN

Jan 2021 – July 2021 | Kolkata, India

- **Built end-to-end interactive simulations** using Unity and C, implementing custom gameplay logic, real-time physics, and optimized rendering.
- **Delivered a complete simulation product** from design to deployment, demonstrating strong ownership and engineering autonomy.
- **Improved UI/UX performance** by optimizing asset loading and event-driven interaction models.

## PROJECTS

### OPENSOURCE CONTRIBUTIONS | C++, HTMX, FASTHTML, PYTHON, JAVASCRIPT | GITHUB

Jan 2025

- Contributed bulk update, lazy loading, and drag and drop sorting features using HTMX and FastHTML showcasing real-time interactivity.

### AI SAAS CONSULTANT | OPENAPI, NEXT.JS, NODE.JS, MONGODB, JWT | GITHUB | HOST

Nov 2024

- Engineered adaptive AI agent (OpenAPI) for personalized recommendations; deployed JWT authentication/token system, enhancing user interaction and ROI.

## SKILLS

### PROGRAMMING

Proficient:

Python • SQL • TypeScript • C# • MongoDB • JavaScript

### LIBRARIES/Frameworks

React • .NET • Flask • FastAPI • Node.js • Tailwind

### CLOUD/TOOLS

Azure • AWS • GitHub • Docker • CI/CD • Redis • OpenAI API • GitHub Copilot • Cursor • LangChain • Grafana

## EDUCATION

### K.I.I.T UNIVERSITY

B.TECH IN COMPUTER SCIENCE AND SYSTEM ENGINEERING

2017 - 2021 | Bhubaneswar, India

## ACHIEVEMENTS

- **Generated over 60K+ unique views on LinkedIn articles specializing in System Design**, showcasing expertise and fostering knowledge sharing within the professional community.

## TRAININGS

### MICROSOFT

MICROSOFT CERTIFIED

- Azure Fundamentals AZ-900

### CODING NINJAS

FULLSTACK WEB DEVELOPMENT

- React • Node.js
- Python (DSA) • OOPS