

Shankhya

Full-Stack Software Developer | Portfolio | 3+ Years

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PROFILE SUMMARY

3+ years of experience building scalable, secure, and high-performance applications using **TypeScript, React, .NET, and Python**, Specializing in API development, authentication, and cloud integration with a strong focus on security and automation (CI/CD).

EXPERIENCE

ETRM SERVICES | SOFTWARE ENGINEER

Dec 2021 - Current | Mumbai, India

- **Developed and optimized** 50+ automated trade interfaces for ICE/NYMEX, **reducing manual intervention by 40%** and improving operational efficiency.
- Built a **cross-database comparison tool**, **eliminating 95% of data errors** and **enhancing query performance by 50%**.
- **Engineered a custom Load Balancer** for the upstream system, **improving demand forecast publication times by 80%** and ensuring more 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 built **scalable full-stack solutions** using React, .NET, and Flask, **reducing code complexity and improving maintainability by 35%**.
- **Automated CI/CD pipelines**, cutting deployment times by **60%** and **improving release frequency** using Git, Azure, and OpenShift.
- Implemented **enterprise-grade authentication mechanisms** (MSAL, JWT, OAuth 2.0, RBAC), **enhancing security and access control compliance by 100%**.

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.

SILKSHOPPER | REACT, STRIPE, NODEJS, REDIS, JWT | GITHUB | HOST

April 2024

- Developed MERN e-commerce platform with Stripe, Redis, JWT.

CASCADE | JAVASCRIPT, NODE.JS, MONGODB, JWT, SOCKET.IO | GITHUB | HOST

Jan 2025

- Deployed secure real-time chat app, supporting 1,000+ concurrent users.

PMT | TYPESCRIPT, REACT, PYTHON, .NET, MSAL, SQL

April 2024

- Developed scalable Position Management Tool with real-time KPI dashboards, Redis caching, and MSAL-based RBAC security, deployed on Red Hat OpenShift.

SKILLS

PROGRAMMING

Proficient:

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

LIBRARIES/Frameworks

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

CLOUD/TOOLS

Postman • AWS • Azure • Docker • Vercel • Redis • CI/CD • GitHub • Git • Render

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