

Shankhya

Full Stack Software Developer | Portfolio | 3+ Years

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PROFILE SUMMARY

Versatile Full Stack Software Developer with 3+ years of expertise in **TypeScript, React, Python and .NET**, API development, authentication, and cloud integration, building scalable, high-performance applications with a focus on security and CI/CD.

EXPERIENCE

ETRM SERVICES | SOFTWARE ENGINEER

Dec 2021 – Current | Mumbai, India

- **Engineered and optimized** of 50+ interfaces integrating exchanges (ICE, NYMEX), **improving trade automation by 40%** and reducing manual intervention.
- 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.

CASCADES CHAT APP | JAVASCRIPT, NODE.JS, MONGODB, JWT, SOCKET.IO | GITHUB | HOST

Nov 2025

- Developed a web-based chat app that allows real-time communication with Socket.io based on the MERN stack.

AI POCKET CONSULTANT | OPENAPI, NEXT.JS, NODE.JS, MONGODB, JWT, TURBO | GITHUB

Nov 2024

- Built a versatile AI agent using OpenAPI to adapt to user preferences and provide intelligent recommendations.
- Developed optimized RESTful APIs with prompt engineering for seamless data retrieval and query handling.

POSITION MANAGEMENT TOOL | TYPESCRIPT, REACT, PYTHON, .NET, MSAL, SQL

April 2024

- Developed an interactive dashboard with dynamic data grids for real-time KPI visualization and data manipulation.
- Implemented MSAL-based authentication with RBAC, ensuring secure access control and user management.

SKILLS

PROGRAMMING

Proficient:

JavaScript • CSS • HTML • SQL • MongoDB

Experienced:

TypeScript • Python • C#

LIBRARIES/Frameworks

React.js • Node.js • Express.js • Next.js • .NET • Flask

TOOLS/PLATFORMS

Git • GitHub • Azure • AWS • Docker • Redis • Postman

EDUCATION

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

B.TECH IN COMPUTER SCIENCE AND SYSTEM ENGINEERING

2017 - 2021 | Bhubaneswar, India

CGPA: 7.24 / 10

ACHIEVEMENTS

- **Achieved over 10,000 unique views on technical articles on LinkedIn**, showcasing expertise and engagement in the field.

TRAININGS

MICROSOFT

MICROSOFT CERTIFIED

- Azure Fundamentals AZ-900

CODING NINJAS

FULLSTACK WEB DEVELOPMENT

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