EZE IHEKWOABA

SENIOR SOFTWARE DEVELOPER

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PROFESSIONAL SUMMARY

Software Engineer with 8+ years of experience specializing in scalable frontend applications, interactive user interfaces, and client facing technical delivery. Proven expertise in modern JavaScript frameworks & ecosystem (Angular, React, Vue.js), state management architectures, and complex data visualization solutions across diverse industry domains. Strong background in building high-performance web applications, component based systems, realtime data dashboards, and collaborating with cross-functional teams to deliver solutions with focus on performance, accessibility, and user experience.

PROFESSIONAL EXPERIENCE

SOFTWARE DEVELOPER (Freelancer) | Independent Projects

December 2023 - Present

- Designed and develop complex Angular applications utilizing NgRx for state management, implementing reactive data flows and maintaining application-wide state consistency across multiple feature modules.

- Built responsive, interactive data visualization dashboards using D3.js to transform complex datasets into meaningful visual insights for business stakeholders and end users.

- Architect and implement real-time data streaming solutions, processing live data feeds and updating visualizations dynamically with minimal latency for mission critical monitoring applications.

- Developed batch data processing workflows that handle large scale datasets efficiently, implementing chunking strategies and optimized rendering techniques to maintain application performance.
- Integrate data transformation pipelines that clean, aggregate, and prepare raw data from various sources (REST APIs, WebSockets, CSV files) for visualization consumption.

SOFTWARE DEVELOPER (Freelancer for Accenture Hamburg) | BPout Germany

November 2022 - December 2023

- Architected and maintained scalable data pipelines using Python and PHP for processing large-scale manufacturing data and unstructured files.
- Enhanced web applications using TypeScript, Vue.js, and Angular 2+ with focus on performance optimization and user experience.
- Built backend services with PHP/Symfony framework and integrated with PostgreSQL databases.
- Developed data processing scripts in Python for ETL workflows and automated data transformations.
- Contributed to open-source data visualization tools (ParaView Glance) and implemented real-time processing solutions.
- Collaborated with cross-functional teams including compliance and engineering stakeholders to translate complex business requirements into technical solutions.
- Implemented best practices for code quality, testing, and deployment automation.
- Built data integration systems connecting multiple enterprise platforms using REST APIs.

SOFTWARE DEVELOPER | Security on Demand [Now Deepsea] | San Diego, CA

September 2020 - August 2022

- Designed and implemented high-performance REST APIs using C#/.NET Core and Python for financial crime detection systems.
- Built streaming data processing systems with Apache Kafka and Apache Spark/Flink for real-time transaction monitoring and AML analytics.
- Developed scalable ETL workflows and data warehousing solutions for threat detection and compliance reporting systems.
- Created interactive dashboards using D3.js with focus on real-time risk signals and compliance insights.
- Implemented comprehensive testing strategies and CI/CD pipelines for reliable deployments in regulated environments.

- Worked with PostgreSQL and other relational databases for complex data modeling in financial services context.

- Collaborated with compliance teams to deliver KYC/AML functionality meeting regulatory requirements.

WEB DEVELOPER (Freelancer) | TwojStartup | Katowice, Poland

February 2017 - April 2019

- Developed full-stack applications using TypeScript/Node.js, Angular2+, React.js, and Vue.js.

- Built scalable backend services using NestJS with Redis caching and PostgreSQL databases.

- Implemented GraphQL APIs for efficient data querying and real-time data processing systems.

- Architected microservices with focus on performance and maintainability.

- Delivered client-facing solutions with clear communication and rapid iteration.

TECHNICAL SKILLS

Backend & Cloud Technologies

- TypeScript, C#, NestJS, Express.js/Node.js.
- CI/CD pipelines, automated testing, observability.

Frontend & Frameworks

- JavaScript/TypeScript
- Vue.js, Angular/NgRx/RxJS, React.js/Redux, Next.js.
- D3.js for data visualization.

Additional Technologies

- C#/.NET Core, Web APIs.
- SQL databases and query optimization.
- Git, GitHub, version control best practices.

EDUCATION

M.Sc. Mathematical Engineering

University of L'Aquila (Italy), University of Silesia (Poland) | 2014-2016.

B.Tech. Mathematics (Computer Science Minor)

Federal University of Tech. | Owerri, Nigeria | 2004-2008.

LANGUAGES

- English (Native).
- German (Basic - actively improving with ongoing course).

INTERESTS

- AI/Machine Learning & LLM Applications.
- Financial Crime Compliance & RegTech.
- Distributed Systems Architecture.
- Startup Innovation & Product Development.
- Non-Fiction Books.
- Boxing.