

# Hemense I. Lan

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## SUMMARY

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Results-driven full-stack developer with expertise in front-end development within a Scrum team environment. Proven track record of delivering high-quality code with a code coverage average exceeding 70%, adhering to Smallworld Engineering development standards. Skilled in React, Node, and Typescript, with a focus on building and delivering modern, responsive full-stack applications. Proficient in writing well-tested code based on coding best practices and design patterns, emphasizing automation. Demonstrated ability to take ownership of tasks, collaborate effectively within cross-functional Agile teams, and thrive in distributed environments with time-zone flexibility. Familiarity with GIS mapping frameworks and knowledge of key UX and design principles. Experienced in implementing RESTful APIs and adept at working with micro frontends using module federation. Committed to achieving a first-time yield for delivered/tested code above 60%.

## EXPERIENCE

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### Frontend Developer

#### AFEX Commodities Exchange

September 2022 - Present, Abuja, Federal Capital Territory

- At AFEX, I played a pivotal role in spearheading innovative projects that significantly impacted operational efficiency and user engagement. In the capacity of Frontend Developer, I led the development of Sherlock, a sophisticated data visualization and natural language processing assistant. This involved orchestrating the creation of Self Service & Prompt Interfaces, ensuring the seamless integration of advanced algorithms to enhance data interpretation and linguistic analysis capabilities.
- Additionally, I contributed to the upgrade of Workbench, a comprehensive ERP Inventory Management System, by designing and implementing critical components such as the Content Management System (CMS), Logistics Management, and Accounting modules. My meticulous approach ensured optimal functionality and interoperability within the broader ERP framework.
- Furthermore, as the chief Frontend Architect for BankX, a cutting-edge neo-bank at AFEX, I formulated the application's overarching structure. This included designing the system to meet the rigorous demands of financial operations, implementing robust security measures, optimizing transaction processing, and ensuring seamless interactions among various stakeholders in the financial ecosystem. Notably, these efforts resulted in a 20% increase in user engagement by facilitating enhanced access to credit and loan facilities.

### Web Engineer

#### Bluecaller Integrated Services

October 2021 - September 2022, Utako, FCT

- Bluecaller API - In the context of the Bluecaller API project, my primary focus revolved around the development of an advanced recommendation engine designed for service selection. This entailed the implementation of sophisticated algorithms and machine learning models to analyze user preferences and behaviors, thereby enhancing the overall service recommendation process. Additionally, I played a pivotal role in refining the Mapping Interface, ensuring seamless communication and data exchange across different components of the system.
- Zashaura - My contribution to the Zashaura project resulted in the creation of a Perfume E-commerce application tailored to the specific requirements of an external client. This undertaking required a holistic approach, spanning database design, user interface development, and the seamless integration of e-commerce functionalities. Navigating through the intricacies, I established a robust platform, optimizing performance and enhancing the user experience within the realm of fragrance retail. This e-commerce platform, engineered with a microservices architecture and incorporating resilience patterns, boasts an impressive capability of supporting 200 simultaneous transactions per second. This architectural prowess has translated into a remarkable 99.99% uptime and a substantial 30% increase in sales conversion rates.
- Data Analytics Platform - I led the conceptualization and design of the QDAP user interface, ensuring an intuitive and visually appealing experience for users interacting with quantum-powered data analytics features. I implemented the QDAP frontend using React, Next.js & Canvas; providing users with near real-time access to data driven analytics features.

## PROJECTS SHOWCASE

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### ScratchMe Lottery

Freelance • <https://scratchmelottery.com> • October 2023 -January 2024

- Monitored and optimized ScratchMeLottery post-launch, resulting in a weekly user visit of 9,865 unique users, exceeding the projected visit of 7,000 by 50%.
- Developed and implemented a highly scalable and secure back-end infrastructure for ScratchMeLottery, enabling seamless handling of lottery transactions, ticket generation, and prize distribution.
- Developed and executed robust security measures to protect user data, financial transactions, and enhance the overall integrity of the lottery system, resulting in a 30% decrease in reported security incidents.

### Sherlock AI

AFEX Commodities Exchange • <https://sherlock.afex.dev> • September 2023 -March 2024

- Spearheaded the development of Self Service & Prompt Interfaces, implementing advanced algorithms for enhanced data interpretation and linguistic analysis.
- The prompt natural language and data processor led to a 30% decrease in data request time for the Data team.
- Developed interface for dataset management module resulting in a 15% increase in self-service capabilities.

### Zashaura

Bluecaller Integrated Services • <https://zashaura.com> • March 2022 - May 2022

- Implemented microservices architecture and resilience patterns, resulting in 99.99% uptime and a 30% increase in sales conversion rates.
- Developed a comprehensive e-commerce platform, encompassing database design, user interface development, and seamless integration of e-commerce functionalities.

## EDUCATION

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### Bachelor of Engineering Mechanical Engineering

Federal University of Technology, Minna • Minna, Niger State • 2021 • 3.71

- Awarded full tuition scholarship by Chevron for 4 years for straight distinctions in WASSCE

## CERTIFICATIONS

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### Testing Javascript

Kent C Dodds • 2023

- Certified in testing fullstack Javascript Applications

### HackerRank - Javascript (Intermediate)

HackerRank • 2023

- Certified in Javascript

## SKILLS

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Front End: HTML, CSS, Javascript, Typescript, JQuery, React, Next.js, Tailwind, SCSS, Backend: Node.js,

FastAPI, Express, gRPC, tRPC

Databases: PostgreSQL, MongoDB, Firebase, Redis

Devops: Docker, NginX, Render, AWS, Heroku, Digital Ocean