

# TIMILEHIN SOGBESAN .S.

*Software Engineer: Web development and Scalable systems*  
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## EDUCATION

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### Bachelor of Engineering in Electrical / Electronics Engineering

*Federal University of Agriculture Abeokuta, Ogun, Nigeria*

## PROFESSIONAL EXPERIENCE

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**Netchex**, Louisiana, United States

03/2025 - Present

*Senior Software Engineer*

- Maintain and enhance legacy frontend code, progressively refactoring Classic ASP.NET Web Forms pages into modern, scalable architectures using clean code principles to improve maintainability, performance, and developer efficiency.
- Implement comprehensive unit and integration tests to improve code reliability, prevent regressions, and support a seamless transition to modernized systems.

**Optimus AI Labs**, Lagos, Nigeria

11/2024 - 02/2025

*Senior Frontend Engineer*

- Led the development of an application for the Nigerian Immigration Service to automate the application and registration process for the Combined Expatriate Residence Permit and Aliens Card for foreigners.
- Collaborated with UX/UI designers to create intuitive and user-friendly interfaces, improving the overall user experience for company clients.

**Simplify Technologies**, Lagos, Nigeria

06/2023 - 09/2024

*Software Engineer*

- Led the development of a multi tenant core banking application for microfinance bank staff, enhancing operational efficiency and user experience. The application extended the Apache Fineract project with Mifos, leveraging its robust financial services platform to build a scalable and flexible core banking system.
- Developed a "buy now, pay later" payment widget that could be integrated into other products, expanding the company's offerings and driving additional revenue streams.

**Bank of Industry Limited**, Lagos, Nigeria

06/2021 - 12/2021

*Information Systems Engineer*

- Managed server infrastructure nationwide, ensuring high availability and reliability of critical banking systems.
- Implemented server upgrades and performance tuning, resulting in a 56% improvement in system uptime and efficiency.
- Collaborated with cross-functional IT teams to integrate network systems with critical banking applications, enhancing operational efficiency and security.
- Coordinated network setup and configuration for new branches, reducing deployment time by 13%.

*Software Solutions Engineer*

- Implemented and maintained 3CX phone systems to manage inbound, outbound, and internal calls, ensuring seamless communication for over 200 company staff.
- Implemented IVR (Interactive Voice Response) and call routing protocols to enhance customer experience and reduce wait times.
- Provided tier 2/3 support for technical issues, resolving 98% of incidents on the first call and reducing downtime.
- Created comprehensive documentation for phone system configurations, ensuring consistent setup and troubleshooting practices.

## SOFTWARE PROJECTS

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**Portfolio Website:** <https://logan-bay.vercel.app> (For additional information and projects)

**School Management System Web API:** <https://github.com/LoganXav/KeniaAPI>

- A Nodejs web api built with a layered architecture to provide templates for creating flexible entities with dynamic workflows within a school management software.
- Tools utilized: ExpressJs, Typescript, Prisma, Jest, Tsyringe, Docker, Postgres

**Computational Genomics Web API:** <https://github.com/LoganXav/Sori>

- A computational genomics web api built with Fiber
- Tools utilized: Golang, Fiber, Burrows–Wheeler Aligner, FastQC

**Learning Management Software:** <https://github.com/LoganXav/Steex>

- An e-learning web application that digitizes the delivery of learning materials to students.
- Tools utilized: ReactJs, ExpressJs, Typescript, ReduxtoolkitQuery, Tsyringe, MongoDB

**Retrieval Augmented AI Generation POC:** <https://github.com/LoganXav/MaraudersMapFileUploadDemo>

- An AI chatbot built to aid the creative generation of pitches for brands given a client brief book.
- Tools utilized: NextJs, OpenAI, AWS S3, Pinecone, NeonDB

**React Scaffolding CLI:** <https://github.com/LoganXav/SimplifyReactCli>

- A CLI application for scaffolding react applications with select libraries and packages in seconds.
- Tools utilized: NodeJs, CommanderJs, Clack/prompts, Execa

## SKILLS AND TECHNOLOGIES

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### Technologies

Html, Css, Javascript, Typescript, Python, Golang, C#, .NET, ReactJs, React Native, NextJs, NodeJs, Fiber, Tailwind, Git, Docker, PostgreSQL, MongoDB, Amazon Web Services (AWS), Figma, Jest, Playwright.

### Skills

Agile Methodologies, Communication, Collaboration, Time Management, Problem-Solving, Adaptability, Attention to Detail.

## AWARDS

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[The Republic's New Voices National Essay Competition](#)

Award Year (2022)