

# Basirat Basanya

## Frontend Developer

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### PROFESSIONAL EXPERIENCE

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**Tekinst NG, Junior Software Engineer** 03/2025 – Present | Remote

- Engineered and deployed responsive landing pages and "Coming Soon" platforms using React.js, Tailwind CSS, JavaScript, HTML, and CSS, ensuring optimized performance across devices.
- Integrated Firebase backend services for real-time data collection and storage, handling user sign-ups, timestamps, and location-based metadata.
- Assisted in cloud and domain infrastructure management using AWS Route 53 and related AWS services for DNS configuration and deployment support.
- Collaborated with multidisciplinary teams to deliver scalable and user-focused web solutions.

**Ikeja Electric Plc, Software Engineer/IT Intern** 01/2025 – 06/2025 | Lagos, Nigeria

- Collaborated on the design and development of an internal Travel Request Application using HTML, CSS, JavaScript, and Figma.
- Built responsive UI components and implemented interactive features such as form validation and dynamic dropdowns.
- Assisted in configuring and deploying Cisco 2960 switches using CLI commands via PuTTY.
- Troubleshoot network connectivity issues by tracing Ethernet cables, testing switch ports, and verifying device connections.
- Monitored network performance and device health using PRTG Network Monitor.
- Created and updated SOP documentation for application support and operational workflows.

### EDUCATION

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**Babcock University, B.Sc. Software Engineering - GPA: 3.75/5.0** 10/2022 – 07/2026 | Ogun, Nigeria

**Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Databases, Mobile Application Development, Software Engineering, Web Development

**Clubs:** Babcock University Computer Club (BUCC), Google Developers Group (GDG), Cowrywise Ambassador

### TECHNICAL SKILLS

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**Languages:** Python, Java, HTML, CSS, SQL, JavaScript, PHP

**Frameworks/Libraries:** React.js, Tailwind CSS, Firebase, Node.js, Express.js, Next.js, Typescript, Spring Boot, Streamlit, MySQL, PostgreSQL, SQLite

**Tools & Platforms:** Git, AWS Route 53, MySQL, VS Code, Figma, Postman, Vercel, Linux, Jupyter Notebook

### PROJECTS

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**AetherDB, AI-Powered SQL Assistant**

- Engineered a production-ready database assistant using Python and Gemini 2.5 Pro that accurately translates natural language into executable SQL across MySQL, PostgreSQL, and SQLite
- Developed an auto-scanning schema module and robust safety engine utilizing sqlglot to dynamically track database contexts, validate syntax, and block unauthorized destructive operations

- Designed and implemented an interactive full-stack interface with Streamlit, delivering real-time query previews, automated chart visualizations, and execution statistics to enhance data analysis

**Tech Stack:** Streamlit (Python) • Gemini API • SQL (MySQL, PostgreSQL, SQLite) • sqlglot

### **Hostel Maintenance Request System**

- Developed a full-stack web application to digitize hostel maintenance reporting, utilizing SQLite for lightweight relational database storage and persistent record management.
- Built a student-facing portal for request submission and an administrator dashboard for monitoring real-time maintenance statistics and updating repair statuses.
- Implemented RESTful APIs using Node.js and Express.js to handle request management and system operations efficiently.
- Designed a responsive frontend interface using HTML5, CSS3, and Vanilla JavaScript (ES6), featuring priority alerts and real-time status updates to improve administrative workflow.

**Tech Stack:** Node.js • Express.js • SQLite • JavaScript • HTML • CSS • REST APIs

### **PastePal, Chrome Extension**

- Designed and developed a Chrome extension that helps users save, search, and reuse clipboard history through a clean, productivity-focused interface.
- Built dynamic clipboard history management with search, copy, delete, and persistent local storage using the Chrome Storage API.
- Designed a responsive and accessible user interface with modern UX principles, including dark mode support and intuitive clipboard management workflows.
- Structured the application with modular JavaScript, reusable functions, and maintainable project architecture following browser extension best practices.

**Tech Stack:** HTML • CSS • JavaScript • Chrome Extension Manifest V3 • Chrome Storage API