

Alfred Olumide Adenigba

Software Engineer

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Profile

A versatile software engineer with a background in civil engineering, offering strong problem-solving, analytical thinking, and project management skills. As a graduate of Altschool Africa's Backend Engineering program, I am passionate about building impactful software solutions that solve real-world problems. While I once focused on designing structural foundations, I now channel that problem-solving mindset into writing code to create reliable and scalable software. I am driven by the desire to work in environments that value innovation and collaboration where I can leverage my skills to develop products that improve everyday experiences and solve real-world problems.

Core Competencies

Languages

HTML5, CSS3, JavaScript, TypeScript, Node.js.

Frameworks

Express, NestJs, React.

Databases

MongoDB, Redis, PostgreSQL, MySQL,

Version Control

Git, GitHub

Cloud Platforms

Netlify, Vercel, Render.

Object Relational/Data Mappers

Mongoose, Sequelize, Prisma.

Development Practices

API Integration, Agile Methodology, Test-Driven Development

Problem Solving & Analytical Thinking

Project Management & Task Delegation

Professional Experience

2023/09 – present
lagos, Nigeria

Software Engineer

Freelance

- Developed dynamic web applications using **React** and **Node.js**, implementing full-stack features including authentication, API integration, and cloud deployment on **Vercel**.
- Designed and built RESTful APIs to handle CRUD operations, data validation, and user authentication, leveraging **MongoDB** and **PostgreSQL**.
- **Key Technologies:** JavaScript, TypeScript, React, Node.js, MongoDB, PostgreSQL, Git

2019/04 – 2023/09
Lagos, Nigeria

Civil Engineer

Trevi Foundations Nigeria Limited

- Led projects involving structural design of deep foundations, collaborating with cross-functional teams to deliver solutions within project constraints.
- Conducted soil investigations and interpreted results to optimize design processes, applying engineering principles to deliver efficient, scalable solutions.
- Developed project management skills through the coordination of large-scale construction efforts, meeting deadlines and managing resources.
- **Transferable Skills:** Problem-solving, data analysis, project management, collaboration.

Education

2023 – 2024	Diploma in Backend Engineering
Lagos state, Nigeria	<i>Altschool Africa</i> Coursework: Backend Architecture, API Development, Database Management, Cloud Computing.
2012 – 2017	B.Eng. Civil Engineering
kwara state, Nigeria	<i>University of Ilorin.</i> Coursework: Structural Analysis & Design, Soil Mechanics, Engineering Graphics, Geotechnical Engineering, Hydraulics, Surveying, Construction Management.

Projects

UrlChop [↗](#)

URL Shortener App

- Developed a URL shortening service using **Node.js** and **TypeScript** with features like custom short URLs, analytics tracking, and QR code generation.
- **Key Technologies:** React, Vite, TypeScript, Redis, Jest, MongoDB.

Blog API [↗](#)

Content Management Platform

- Built a blog content management API with **Express** and **MongoDB**, allowing users to create, update, delete, and manage blog posts.
- Integrated authentication and authorization features, ensuring secure access control for content creation and editing.
- Implemented features such as post categories, tags, and content searching, optimizing user experience and data handling.
- **Key Technologies:** Express, Node.js, MongoDB, JWT, Git, Redis.

Tools

AutoCad Software — Proficient
Drafting and design.

Microsoft Office (Word, Excel, Power point, Outlook) — Proficient
For project reporting, presentation, and communication