**Fakorode Odunayo Henry**

***Backend Java Developer***

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[*www.henrytech-portfolio.org*](https://my-portfolio-three-rho-99.vercel.app/)

**PROFESSIONAL SUMMARY**

Dynamic **Backend** **Java** **Developer** with expertise in **Java**, **Spring** **Boot**, **Restful** **APIs** and others, and seamless frontend integration using **HTML**, **CSS**, **Thymeleaf** , and **JavaScript**.

Highly Skilled in building scalable, high performance systems, optimizing MySQL database with Hibernate, and Spring Data JPA.

Passionate about clean code, best practices and performance optimization. A problem solver committed to innovation, security and efficiency in software development. Seeking opportunities to contribute to impactful backend solutions and drive technological growth.

**WORK EXPERIENCE**

**Java Backend Developer Intern**

**FlexiSAF Edusoft Limited** — *May 2025 – Present*

* Currently completing a backend development internship focused on building RESTful APIs and system logic using **Java**, **Spring Boot**, **MySQL**.
* Contributing to a **deliverable-based internship**, working on different backend tasks each week using **Java** and **Spring Boot**.

**Tech Stack:** Java · Spring Boot · REST APIs · Twilio · Git · Postman

**Java Development Internship**

**CodSoft**

Java Development Intern CODSOFT | March 2025 – April 2025

**Key** **Responsibilities**:

* Developed a **Currency Converter** application using Spring Boot, integrating real-time exchange rate APIs for accurate currency conversions.
* Built a **Student Management System** with functionalities for adding, editing, searching, and managing student records using Java and file storage.
* Created a **GUI-based Number Guessing Game** using Java Swing, implementing an interactive interface, real-time feedback, and score tracking.
* Enhanced problem-solving skills and hands-on experience with Java, object-oriented programming, API integrations, and GUI development.
* Maintained a **GitHub** repository for all projects and demonstrated work through video presentations.

**PROJECT** **EXPERIENCE**

**DeenWise**

DeenWise is a web platform that empowers users to learn the Qur'an interactively with modern tools and guidance. It’s built to support students and tutors through personalized dashboards, video-based lessons, assignments, and real-time chat( Worked With A Frontend Developer).

* **Backend Technologies: Java , Spring Boot, MySQL**
* **Frontend Technologies: HTML, CSS , Thymeleaf, Vanilla JavaScript.**
* **Key Features:**
* Developed backend services using **Java (Spring Boot)** for DeenWise, a web platform designed for interactive Qur’an learning via video lessons, assignments, real-time chat, and personalized dashboards.
* Implemented **user authentication and role-based access control**, enabling secure and distinct feature access for **Students** and **Tutors**.
* Built RESTful APIs to support core features such as **lesson management**, **assignments**, **chat**, and **user profiles**.
* Designed and integrated **real-time notification** functionality to alert users about **live lessons**, enhancing engagement and timely participation.
* Collaborated with a frontend developer to ensure smooth end-to-end feature delivery and user experience across all user roles.
* Structured the backend for **modularity and scalability**, supporting future expansion of features and user roles.

**AgroScan**

**Backend Java Developer** — Worked collaboratively within a backend team where I focused on implementing SMS support (including offline functionality) using Twilio for an AI-powered crop disease diagnosis platform. Meanwhile, other developers handled website authentication and authorization, as well as generating AI responses via POST request APIs. My SMS integration enabled users without internet or smartphones to report crop diseases and receive AI-driven solutions through SMS or WhatsApp

* Backend Technologies : Java, Spring Boot, Twilio API, Node JS, Python
* Frontend Technologies: HTML, CSS (Tailwind), JS(React)
* ML Model : Tensor Flow Lite
* SMS Support : Twilio API
* Key Features:
* Developed **SMS-based crop disease reporting system with offline support** using Twilio, enabling users without internet or smartphones to send disease data and receive AI-generated solutions.
* Implemented **internet-enabled messaging support** (SMS and WhatsApp), ensuring seamless communication for users with connectivity.
* Built and maintained backend services using **Java Spring Boot** to handle messaging workflows and integrate with AI diagnosis APIs.
* Collaborated closely with backend developers responsible for **authentication, authorization, and AI response generation** via RESTful POST APIs.
* Designed the system to be **scalable, reliable, and accessible** in both connected and low-connectivity agricultural environments.
* Solved real-world challenges related to **connectivity, user accessibility, and real-time response delivery** for rural users.

**Quiz Microservice API**

* Designed and developed a **quiz management API** using **microservices architecture**, splitting core functionality into independent services for scalability and maintainability.
* Implemented service discovery using **Spring Cloud Eureka Server**, allowing dynamic registration and discovery of microservices.
* Built separate **Quiz Service** and **Question Service**, each with its own controller, service, and repository layers.
* Ensured communication between services using **RESTful APIs** and tested them using **Postman**.
* Focused on modular deployment and ease of scaling, simulating real-world enterprise backend system design.

**Tech Stack:** Java · Spring Boot · Spring Cloud · Eureka Server · REST APIs · MySQL · Git

**Ecommerce Shopping API**

A scalable e-commerce RESTful API for managing product listings, user authentication, shopping carts, and payment processing using Paypal.

* **Technologies**: Java , Spring Boot, MySQL, Spring JPA, PayPal, Git.
* **Key** **Features**:
* User authentication: implemented secure RESTful APIs.
* JWT-based authorization: for access to other APIs after successful login.
* Product category Filtering: Built Dynamic product category filtering by price.
* Payment Integration: Integrated Paypal API to process secure credit/debit card transactions.
* Order Management: created order confirmation and tracking functionalities, including email notifications.

**PollSync**

A poll system for a voting website typically consisting of several components that allow users to create, participate, manage and analyze polls.

**Technologies**: Java, Spring Boot, Restful APIs

**Frontend** **Technologies**: HTML, CSS and Thymeleaf.

**Database**: My SQL

**Key** **Features**:

* User Authentication and Authorization: Ensure that eligible users can participate in voting and prevents unauthorized access.
* Real-Time Updates: Live Vote Counting.
* User-friendly Interface: A simple, responsive design ensures all users can vote without confusion.
* Notifications and Alerts: Keeps users informed about upcoming polls and their vote status.

**Mail Validator System**

A spring boot application for validating email addresses efficiently.

**Main** **Idea**: ***Business often struggle with fake or temporary emails in signups. Which led me to creating this validation system which ensures only valid emails make it through, improving security and user authenticity.***

Technologies: Java, Spring Boot, RESTful APIs

Frontend Technologies: HTML, CSS, Thymeleaf and JavaScript.

Key Features:

* Checks if an email is valid.
* Detects if it’s disposable.
* Verifies if it’s blacklisted.
* Provides an email strength rating.

**EDUCATION**

B.ENG Electrical/Electronics Engineering ***(2024 November – Till Date)***

University of Lagos, Lagos State.

**Skills**

**Hard Skills(3.7+ years experience):**

* Languages and Frameworks: Java, JavaScript, Spring and Spring Boot.
* Frontend Technologies: HTML, CSS, Thymeleaf , and JavaScript, JSP, JSTL, Servlet.
* Restful APIs: JWT(JSON Web Token) for authorization.
* Tools: Postman, Intelli J , Eclipse.
* Version Control: Git and Github.

**Soft Skills**

* Communication, Adaptability and Teamwork.

**Awards**

**Software Engineer Intern Certificate( Hackerrank)**

***July 2024***