

HABIBA ADAM SALISU

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Summary

Backend Instructor and a Software Engineer with a strong foundation in backend development. Leveraging hands-on experience in Python, Node.js, and database management, I aim to foster the next generation of developers by sharing practical insights and best practices in backend development. My goal is to combine my technical proficiency with my enthusiasm for mentoring to create an engaging and informative learning environment.

Technical Skills

Programming Languages: Node-Js, Typescript, Express-Js, Python, Flask, React-Js, HTML, CSS, Bootstrap, Tailwind.

Databases: MySQL, MongoDB

Technologies/Tools: Git, Docker, Nginx, Gunicorn, Excel, PowerBI, Visual Studio Code, GitHub, CodeSandBox, Netlify, Vercel, Render, Cloudinary

Operating Systems: Linux, MacOS

Experience

HACSA, Backend Instructor

Part-Time Role | August 2024 – Present

- Developed and delivered a comprehensive backend development curriculum tailored for beginners, covering foundational software engineering concepts, Bash scripting, Linux, Python, and web architecture.
- Taught Python from beginner to intermediate levels, progressing to database design (relational and non-relational) and web development using Flask.
- Guided students through the principles of web architecture, enabling them to design and build functional backend projects.
- Introduced JavaScript fundamentals as part of the curriculum for broader backend development understanding, time permitting.

TechX360, Backend Developer (E-commerce Mobile App(A-Shopper))

Contract Role | July 2024 – Present

- Designed and implemented scalable and secure backend services using TypeScript, NestJS, Node.js, and MongoDB to support an e-commerce mobile app.
- Developed comprehensive API endpoints for two user segments—Buyers and Vendors—facilitating core e-commerce functionalities such as product listing, ordering, and user management.
- Architected and implemented an e-wallet system for Buyers and Vendors to manage transactions efficiently, with future support for third-party payment integrations.
- Leveraged TypeScript to enhance code quality, ensure type safety, and maintain deep control over the backend architecture, ultimately transpiling to JavaScript for production.
- Utilized Cloudinary to optimize image processing workflows, enabling seamless upload, conversion, and cloud storage of product images.
- Implemented robust authorization and role-based access control mechanisms using NestJS Guards to secure sensitive API routes.
- Actively contributed to improving system performance and scalability by integrating industry best practices and asynchronous programming.
- Collaborated closely with the frontend team to ensure seamless API consumption and alignment with business requirements.

OptimaData, Full-Stack Engineer Intern,

June 2024-July 2024

- **Backend Development & Security:** Developed secure and scalable backend services using Express.js, with a focus on security best practices, including Morgan logging, Helmet, and Express Mongo Sanitize.
- **Rapid Prototyping with Modern Tools:** utilized Tailwind CSS for efficient UI development, replicating Figma designs into a React application. Explored and learned to leverage Telegram Bots for potential future integrations.

Academic Projects & Personal Projects

RESUME ROCKET | Node-Js, Express-Js, React-Js, MongoDB

- **Streamlined Resume Creation:** Designed and developed ResumeRocket, an AI-powered CV builder for tech industry professionals, simplifying the resume creation process

through an interactive user experience. (Focuses on user benefit and achieved functionality)

- Improved Personalization: implemented an interactive questionnaire to gather key resume details, enabling the AI model to generate customized and compelling CVs tailored to individual needs.
- Scalable for Future Growth: architected ResumeRocket for future expansion, allowing ongoing training of the AI model to accommodate a wider range of job profiles and target audiences.

CELESTIAL PALATE | Python, MySQL, Flask, HTML, CSS, Bootstrap

- Luxury Dining Showcase: Built a website for a high-end restaurant with locations in South Africa, Japan, and Italy.
- Seamless User Experience: enabled online menu browsing and reservation booking, streamlining the dining experience for users
- Robust Backend: Utilized Flask to construct a RESTful API for efficient data exchange between the front-end and the database.

Education

ALX, Holberton School of Coding,

March 2022-June 2024

Software Engineering

Relevant Coursework: System Engineering Devops, Data Structures and Algorithms in C, OOP in Python, DataBase Systems, Networking.

Certifications

ALX Software Engineering Programme, Backend Development,
SHECODES Basics, Plus, Responsive, and React

June 2024

Oct 2023 - Feb 2024

Referees

Available On Demand