Muhammad Hamza

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EXPERIENCE

Deminifah Inc. – Remote

Backend Developer   *May 2022 – Present*

- Designed and maintained RESTful APIs using Node.js and TypeScript and improving API response times by 30%.
- Optimized database operations using PostgreSQL, Sequelize ORM, postgresAdmin, reducing query execution and integration times by 20%.
- Integrated secure authentication systems with JWT and Nodemailer, ensuring robust user access management for scalable applications.
- Spearheaded the implementation of CI/CD pipelines, automating deployment processes and reducing system downtime.

BT-Hub (Bin Hussain Technology) – Kaduna, Nigeria

Web Developer and AI Tutor   *Jan 2023 – Present*

- Mentored 30+ students in Python programming and web development, resulting in successful completion of programming courses and expertise.
- Coached machine learning Interns using Python libraries like **Scikit-learn**, **Numpy** and **Pandas** to develop end-to-end projects.

LEADERSHIP

RAIN-INN (Robotics and Artificial Intelligence Innovators Network) – ABU Zaria, Nigeria

Co-Lead   *May 2024 – Present*

- Directed research and innovation projects in robotics and AI, promoting advanced learning in technology among university students.
- Organized workshops and hackathons, engaging over 100 participants to foster technical skills development.

EDUCATION

Ahmadu Bello University *– Zaria, Nigeria*   *February 2021 – Expected 2027*

B.Eng. in Computer Engineering

- Relevant Coursework: Software Engineering, Artificial Intelligence, Database Systems, System Architecture.
- Academic Projects: Developed an accessible educational platform to teach children STEM concepts, focusing on API integration and authentication.

ALX Software Engineering Program *– remote*   *October 2022 – November 2023*

- **Relevant Coursework**: C Programming, Python Development, Data Structures and Algorithms, System Engineering, DevOps, Full Stack Web Development.
- **Academic Projects**:
  - **AirBnB Clone**: Built a full-stack clone of the AirBnB platform using Python, Flask, and MySQL, with user authentication and dynamic content rendering.
  - **System Monitoring Tool**: Created a real-time server monitoring tool using Python and Bash scripting to track performance metrics.

TECHNICAL SKILLS

Frameworks/Libraries: React.js, Nuxt.js, Node.js, Express.js, FastAPI.
Databases: MySQL, PostgreSQL, MongoDB.
Machine Learning:, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib
Tools: Git, Firebase, PgAdmin, CI/CD Pipelines.