

Joel Audu

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Professional Summary

A highly skilled software engineer with over 8 years of experience in software development. I specialize in Python, Flask, and MongoDB, with deep expertise in web development technologies such as HTML, CSS, JavaScript, and TypeScript.

I am proficient in modern front-end frameworks like React, React Native, Vue, and CSS frameworks like Tailwind, Bulma, Materialize and Bootstrap. I also experienced in system design and cloud security.

Technical Skills

Programming Languages:

- Python: 8 years
- JavaScript (ES6): 7 years
- TypeScript: 4 years
- C++: 3 years
- PHP: 3 years
- C: 2 years

Frameworks & Libraries:

- Web: Flask, React, React Native, Vue.js, Node.js, Svelte
- CSS Frameworks: Tailwind CSS, Bulma, Bootstrap, Materialize
- Database: MongoDB, MySQL, SQLite
- DevOps & Cloud: AWS, Docker, CI/CD pipelines, Load Balancing
- Others: Redis, FastAPI, FFmpeg, jQuery, Flutter, Svelte, Machine Learning

Additional Skills:

- System Design: 3 years
- Team Management & Tech Lead: 2 years
- Unit Testing: 3 years
- Code Reviews: 4 years
- Cloud Security: 2 years
- Artificial Intelligence: 2 year

Work Experience

Senior Software Engineer

Polar Frequency – November 2023 – Present

- Lead the development of AI-driven advertising systems utilizing data provided by users for social media campaigns across Facebook, Instagram, and Twitter.
- Spearheaded the development of the [Goghr](#) project, an AI-powered platform for managing interview and job applications, integrating React and FastAPI for seamless functionality ([goghr.ai](#)).
- Managed the development of Affirmatrix, a cross-platform mobile app using React Native and FastAPI for AI-powered affirmation generation, enhancing user mental health and personal growth.
- [Audiobeep](#) is an AI-driven app that removes profanities from songs while keeping the original music intact. Users can upload audio files for processing and track the progress in real-time. It uses tools like Demucs for music separation and Whisper-X for transcription to ensure the edits blend smoothly. The backend is powered by FastAPI, while the frontend is built with React and Next.js for an intuitive interface. The app is deployed successfully and aims to be adaptable for local use in business environments ([audiobeep.com](#)).

Frontend Developer

Teamwell – December 2022 – October 2023

- Developed and maintained the [Teamwell](#) HR system, using Vue.js and Vue-FullCalendar for managing employee agendas and leave data.
- Designed and implemented custom calendar views, integrating complex business logic and ensuring a smooth UX/UI experience.

Software Developer

Techvibes International Limited – November 2021 – December 2022

- Developed the [Qampusplus](#) online portal, integrating PHP, Laravel, Python, and Django to streamline school data management and improve record-keeping. Ensured seamless user experience for school staff through efficient fee payment and course registration systems.
- Developed [VBSHR](#), an Human Resource management tool built to be a SaaS tailored towards business solutions. Integrating Laravel and Vue.js to create an enhanced user experience.

Software Developer

Freelance – January 2020 – August 2021

- Designed and developed the [Pendustry](#) platform, a competition system for book readers and writers, using Svelte for front-end and Flask for back-end, providing real-time user interactions.
- Managed SQLite to MySQL database migration, improved API efficiency, and implemented secure user authentication via Flask-login.

Software Developer

Hiosoft Limited – August 2018 – August 2021

- Contributed to the [Codesideacademy](#) e-learning platform, utilizing Flask, HTML, CSS, JavaScript, and FFmpeg for video streaming and content management.
- Implemented functionality for video course access, payment integration, and secure content distribution.

Software Developer

Harmony Innovation – April 2018 – November 2018

- Developed Harmony Youth Empowerment web application using Flask and Python for youth learning resources, integrating middle-wares for session management and preventing unauthorized actions.

Side Projects

- [Python RDP](#): Remote desktop control application built with Python, Flask, JavaScript, and PyQt5.
- [Phone Inventory](#): A simple inventory system for mobile phones, implemented with Python/Flask for the back-end and HTML/CSS/JavaScript for the front-end.
- [Custom QuillJS](#): Experimented with drag-and-drop functionality in QuillJS using Vue.js and JavaScript.
- [URL Shortener](#): A basic URL shortening service created using Flask and Python.

Education

Bachelors in Computer Engineering

Federal University Of Technology Minna | April 2014 – December 2020

Languages

- **English:** Fluent
- **German:** Beginner

References

Available upon request.