

OYELEKAN OLUWABUKUNMI

Software Engineer

Munich, Germany

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PROFESSIONAL EXPERIENCE

JobNinja GmbH (Munich, Germany) – Software Engineer

May 2020 – Present

Job Importing with XML feeds and HTML Web Scraping

- Built XML and HTML spiders to streamline job imports, implemented a job deduplication mechanism that reduced duplicates by 98%, boosting import speed and SEO impact. Enhanced logging and error tracking with Mezmo and AWS CloudWatch for alarms and real-time monitoring.

AI-Powered Solutions

- Created an AI-based job recommendation and CV matching system with 80% accuracy, resulting in a 25% improvement in user satisfaction.
- Engineered a concurrently running AI-powered job match scoring system using RabbitMQ, achieving 75% match accuracy to help companies prioritise top candidates effectively.
- Developed an AI-powered Job title flavour generation service for email marketing, enabling agencies to create tailored job advertisements for posting on the job board.

Backend Development for Job Board

- Unblocked product changes by improving and modernising outdated backend platform. Collaborated in implementing and maintaining a new REST API for a new frontend and mobile application while still maintaining previous core systems.
- Implemented job title embedding and vector search capabilities for accurate job postings to Germany's Bundesagentur für Arbeit, ensuring efficient and relevant uploads to meet government requirements and increasing job posting reach of B2B customers.

Automation for Email & Marketing

- Built an email event logging and alert system through webhooks, integrated with Slack for instant notifications, reducing support response time. Developed an automated Google Ads campaign creator, reducing ad setup time and increasing brand visibility by 20%.

Frontend Development for Job Board

- Collaborated on a Next.js-based redesign of the job board, translating Figma designs into a high-retention, SEO-friendly interface. Modernised legacy client dashboards, integrating React components and increasing dashboard usage by 50% through enhanced usability. Ensured stability by implementing Cypress tests and managing error tracking via Sentry.
- Maintained and contributed to multiple frontend codebases across various JavaScript frameworks, including Next.js, Vue.js, React, and jQuery.

MyReader (San Francisco, United States) – Software Engineer (Contractor)

June 2024 – Present

Mission-critical tasks for AI-powered Reading Assistant

- Developed OCR processing for image and PDF files with Google Vision, enabling overlaid, highlightable text on scans. Set up a plain-text retrieval system for articles and YouTube videos, converting Mozilla's Readability.js for Python use.
- Reduced processing time by 75% with an AWS CodeBuild-Lambda integration, allowing bulk file uploads and contributing to a 10% user growth increase.
- Implemented comprehensive error handling across all applications in all repositories, ensuring robust failure management. Additionally, set up logging and configured CloudWatch alarms to monitor and alert on critical issues, improving overall system reliability and response time.

- Enhanced TTS functionality by integrating Amazon Polly, OpenAI, and Suno Bark for flexible audio generation.
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TreeHous (Washington DC, USA) – Lead Backend Engineer (Contractor)

November 2022 - June 2024

Backend development for Plants Gardeners Monitoring and Plant-Gifting application

- Led backend API design and infrastructure, selecting tech stacks, managing Postgres schema design, and integrating third-party APIs for payments and push notifications. Provided RESTful API documentation for seamless frontend-backend interaction.
 - Established unit tests and robust logging mechanisms for operational reliability and fast issue resolution.
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Vstudio (Hamilton, Canada) – Software Engineer (Part-time)

November 2021 - June 2022

Full-stack development for Virtual Fitness Platform

- Contributed to the development and maintenance of the platform codebase utilising Python, Javascript, Google Firebase, Google Places and Geocoding, Stripe, Twilio and many other tools and technologies.
 - Developed a calendar scheduling system, streamlining instructor availability management and user appointment scheduling.
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Lokafy (Toronto, Canada) – Software Engineer (Contractor)

November 2021 - June 2022

Full-stack development for Travel Company connecting Travellers with Locals

- Developed and maintained REST APIs in Django, adding frontend test coverage with Puppeteer and Jest in Vue.js, improving platform reliability.
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Rhics Technology (Lagos, Nigeria) – Software Engineer/Data Scientist

November 2018 - May 2020

Full-stack development

- Contributed to the development and successful launch of five products for clients, including a leading assets and resource management company in Nigeria, expanding the company's product portfolio by 35%.
 - Co-led a team in developing one of the leading election prediction systems for Nigeria's 2019 Presidential Election, achieving 89% accuracy in forecasting results. The system garnered significant media attention, with multiple news outlets interviewing the CEO, resulting in a significant increase in the company's visibility and recognition.
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EDUCATION

Olabisi Onabanjo University (Nigeria) – Computer Engineering (B.Sc.)

Oct 2015 - June 2021

SKILLS

Programming Languages: Python, Javascript, Typescript, Ruby, Bash, Git, SQL, NoSQL.

Frameworks, Platforms and Tools: Flask, FastAPI, Django, React, Nextjs, Vue, Nuxtjs, PostgreSQL, SQLite, MongoDB, Firebase, Redis, Jenkins, Playwright, Jest, Puppeteer, Sentry, GitHub Actions, Mezmoo, GCP, AWS, Heroku, Vercel, Replicate, Celery, RabbitMQ, Docker, OpenAI, Claude.

General: Monitoring and Observability, Performance Optimization, API Management and Development, Database Management, CI/CD pipelines, Capacity planning, Incident Management and Response.

ACHIEVEMENTS

IFA Health Hackathon (Ibadan, Nigeria) – First Place

SecureLagos Hackathon (Lagos, Nigeria) – Runner Up

CodeLagos Hackathon (Lagos, Nigeria) – 2nd Runner Up