

ABDUSSAMAD BELLO

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OBJECTIVE

Dynamic and results-oriented Software Engineer with over 7 years of experience in software design, development, and project management across various industries. Demonstrated expertise in developing scalable web applications, leading technical teams to deliver innovative solutions, and driving product development from conception to deployment. Seeking to leverage comprehensive software engineering skills and a proactive leadership approach to contribute to the technological advancement of a forward-thinking company.

EDUCATION

MSc in Computer Engineering (Distinction) - Atilim University, Ankara, Turkey

(Fall 2019 - Fall 2021) - GPA: 3.57/4.00

Venture in Management Program - Lagos Business School, Lagos, Nigeria

(Spring 2018)

BSc in Electrical and Electronics Engineering (Honors) - Near East University, Nicosia, Cyprus

(Fall 2013 - Spring 2017) - GPA: 3.12/4.00

SKILLS

- **Programming Languages & Tools:** Python, Go, SQL, JavaScript, Nest.js, Node.js, Laravel, PHP, Linux, Docker, Google Cloud(Compute Engine, Vertex AI, App Engine, Firebase) , AWS (EC2, Fargate, Lambda, Cognito, DynamoDB, OpenSearch) FastAPI, Elasticsearch, PostgreSQL, MySQL, Langchain, CrewAI
- **Certifications:** Digital Transformation (BCG), Product School, Software Processes and Agile Practices (University of Alberta), McKinsey Advanced Forward Program

WORK EXPERIENCE

Senior Software Engineer, Rotate - California, US (Remote) (10/24- 07/25)

- Led and Developed an **External Attack Surface Management (EASM)** scanner backend using **Python**, **FastAPI**, integrating **threat detection logic**, third-party security APIs, and **real-time data processing pipelines**.
- Built **highly scalable and fault-tolerant API clients** to interface with services like **Shodan**, **SecurityTrails**, and **Censys**, ensuring resilience and performance under heavy query volumes.
- Architected a **workflow engine backend** using **AWS SQS queues** and **Temporal.io**, orchestrating scanning jobs, retries, and stateful automation across services.
- Prioritized **testability and reliability**, incorporating **unit tests with mocking**, CI-based **static analysis** (mypy, ruff), and **manual QA pipelines** for validation.
- Implemented comprehensive observability infrastructure using **OpenTelemetry** for distributed tracing and **metrics collection**, and **Grafana Loki** for centralized log aggregation across microservices

Senior Software Engineer, Bolster- New York, US (Remote) (03/22 -07/24)

- Developed advanced search algorithms using **OpenSearch**, enhancing the platform's capability to efficiently match recruiters with top talent.
- Led **metrics collection** and **analysis** projects to understand user behavior, guiding improvements to service offerings.
- Developed a **Chrome extension** that integrates with a backend to pull, edit, and scrape data from web pages, enhancing user experience with **real-time data manipulation**.
- **Migrated** complex **DynamoDB** user records into a universal data structure within the backend API and consolidated the user interface into a universal dashboard, streamlining data management and enhancing user experience.
- Improved user interface and experience, implementing design changes that resulted in increased user engagement.
- Designed and implemented a robust search service using **Go** and **Bleve search**, enabling efficient indexing and querying of large datasets.
- Utilized **Go**, **FastAPI**, **Python**, **Flask**, **Elasticsearch**, **Vue.js**, and **AWS** to develop and maintain scalable, high-performance web applications.

Software Engineer, Connex Digital - Texas, US (Remote) (07/21 - 02/22)

- Developed the company's first public **Zapier** app, facilitating seamless integration for a **leading fintech startup**.
- Spearheaded **automation script** projects, creating custom solutions to enhance operational efficiency with **Javascript**, **Python**, **n8n**, **Zapier**, **Odo**, **Stacker**.
- Designed and developed **technical solutions** for clients using low-code platforms, **simplifying complex processes**.

Software Engineer, Farmwallet Technologies - Accra, Ghana (Remote) (01/20 - 08/21)

- Innovated UI/UX solutions for web applications, optimizing dashboard performance with the **Javascript, Node.js, Vue.js framework**.
- Key contributor to securing multiple **awards** and **seed funding**, highlighting significant impact on company growth.
- Played an instrumental role in deploying **Minimum Viable Products (MVP)**, directly influencing the company's early success.

Software Engineer, JB Tech - Lagos, Nigeria (Remote) (08/18 -02/22)

- Led **customer design** and **implementation sessions**, developing tailored solutions to meet **complex business** needs with **Javascript, Python, Node.js**.
- Revolutionized training and onboarding processes, doubling customer adoption rates.
- Implemented technical sales and marketing strategies, significantly improving company revenue.

Software Engineering Intern, Seamfix - Lagos, Nigeria (12/17 - 10/18)

- Analyzed customer and product requirements to determine the product use cases and features.
- Debugged and tested code to ensure product quality, which improved by ~50%.
- **Researched, designed**, and wrote **new algorithms** and software programs to improve quality. With **Java, Javascript, Python, Springboot**.

CERTIFICATIONS & AWARDS

- **Global Legal Hackathon** - Regional Winner & World Finalist, London, UK (6/2020)
Developed cloud-based productivity software for law firms: <https://thecaseboard.com>.
- **Google Black Network Hackathon** - Silver Medalist, London, UK (11/2021)
Co-led an international team to develop an educational resource and sharing platform.

PROJECTS

- **Advatyzly**- Advatyzly is a comprehensive ad management platform designed to streamline ad inventory management, improve collaboration, and optimize ad performance for businesses of all sizes. <https://advatyzly.com/>
- **Dexie-kit**: Open source addons to improve the developer experience of [dexie.js](#). [Dexie-kit](#) @dexie-kit/sync; Offline-first sync framework for Dexie.js with REST API support and @dexie-kit/migrate SQL-style migrations for Dexie: numbered files, snapshot, squashing, resumable .
- **VoiceMailMaster**- AI app that lets users interact with their emails using natural voice commands, making email management more efficient and accessible for everyone. [VoiceMailMaster - DEV Community](#)
- **Kitably-AI** - AI app that provides a seamless way to interact with classic literature and extract meaningful information. [abdussamadbello/kitably-ai](#)
- **EchoNext**- EchoNext is a type-safe wrapper around the Echo web framework that automatically generates OpenAPI specifications and provides request validation. Build robust, well-documented APIs with compile-time type safety. [abdussamadbello/echonext](#)