DAMOLA SAMSON OLADIPO

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PROFILE

Damola is a Product Engineer. He builds products with useful features that help customers complete important tasks every day. He builds scalable frontend and backend applications using TypeScript, React, React Native, Express, and Node.js.

- **Product Skills:** Customer development, requirement gathering, software development process, rapid prototyping, product analytics, product strategy, visual design sense, agile methodologies, monolithic & microservice architectures.
- **Engineering Tools**: TypesScript, React, ReactNative, Next.js, Express, Node.js, MongoDb, PostgreSQL, Bootstrap, TailwindCSS, Redis, WordPress, Elementor, Canva, Figma, Notion, Jira, AWS,

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA - International Educational Exchange Program   2020 – 2021

University of Benin, Benin City, Edo State, Nigeria: Bachelor of Arts in Linguistics **-** *Undergraduate Degree*   2013 —2017

EXPERIENCE

Full Stack Engineer – Troott Technologies <Typescript, Node Streams, Busboy and React-Native>   *Jan 2025 – Present*
- Built a streaming upload pipeline using Busboy + AWS S3, handling audio files up to 500MB without buffering to disk or memory, cutting server RAM spikes by 90% during peak uploads, improving performance and scalability.
- Implemented real-time audio metadata extraction using music-metadata and simultaneous multipart uploads using Node.js streams and Busboy with chunk tracking and resumable uploads for reliable performance on unstable networks.
- Implemented a full-featured music player using react-native-track-player, supporting background audio playback and persistent audio queues across sessions.
- Handled lock screen and notification controls using Android native MediaSession (play, pause, skip, seek), with support for edge cases: audio focus changes, incoming calls, alarms, and headphone unplug detection.

Backend Engineer and Product Manager– Brave Redemptive Venture Studio, Ogbomoso   *June 2024 – Present*
- Led a 5-member team using a scrappy scrum process to build the MVP of the cohort-based learning platform in 10 weeks.
- Spearheaded the product discovery and business modelling to exponentially create value while keeping delivery costs low.
- Designed production-ready system architectures, RESTful APIs, database ER diagram, and API documentations.
- Optimized bug reporting and testing protocols, reducing resolution time by 30% and app response by 35% under peak load.

Product Manager – Code for Africa (CfA) - Western Cape, South Africa   *Aug 2022 – Feb 2024*
- Led product development and launch of feedshield.africa and academy.africa etc, increased delivery rate by over 60%.
- Developed advocacy maps and strategies that reached over 22m in Francophone and Anglophone Africa
- Delivered a product management tool via github that increased product oversight and development velocity by 80%

Deputy Product Manager (Product Discovery) – Simeslaw | Lexis Point Africa - Lagos, Nigeria   *Oct 2021 – Aug 2022*
- Helped 2000+ customers create legal contracts and agreements, which reduced police and court disputes by 60%.
- Product won 2nd position in the HiiL Justice West-African Hackathon 2021

WordPress Developer – Web48ng Technologies - Lagos, Nigeria   *Dec 2017 - Jan, 2022*
- Built 100+ responsive WordPress websites and solutions.
- Managed the domains and hosting of 50+ clients and organisations.

PROJECTS

Pacepard – <Typescript, Express, Node.js and React >
- Built a low-latency, high-throughput hackathon service platform supporting real-time team collaboration, project submissions, and live judging, optimized for sub-200ms API response times under heavy load.
- Developed a Role-Based Access Control (RBAC) system for secure role-based access across admins, judges, mentors, and participants.

Multi-tenant Backend Server – <Typescript, Express, and Node.js >
- Built a multi-tenant backend server supporting 6+ frontend portfolio projects with isolated data and user management.

Heroes Games – <Typescript, React-beautiful-dnd, React>
- Developed a drag-and-drop engine for hero selection in games using React Beautiful DnD, enabling smooth, intuitive gameplay interactions.
- Developed the authentication, authorisation, login, and signup endpoints and screens of the application.

ADDITIONAL INFORMATION

Interests: SDGs, Machine Learning, Natural Language Processing (NLP), Building Startups, Digital Literacy, Street photography
Associations: Black in AI, ScooP MIT Media Lab, Co-creation Hub (CChub) Startup Alumni, HiiL West Africa Alumni.
Awards: 2nd Place Winner - 4 Youth by Youth Designation - NIMR) 2020 and Winner: HIIL Justice West African Hackathon 2021
Language: Fluent in English and Yoruba (Native). Elementary Proficiency in French and Chinese.