BENEDICT ISAAC

FULL-STACK & AGENTIC AI ENGINEER | MECHATRONICS ENGINEERING STUDENT

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PROFESSIONAL SUMMARY

Full-stack and agentic AI engineer and Mechatronics Engineering student, building agentic AI systems from cloud to edge. Ships production-grade React/Next.js interfaces backed by multi-LLM orchestration and RESTful APIs, and deploys intelligent agentic workflows across web, AI, and blockchain environments. Leads technical teams and communities, and brings a systems-first approach to reliability and performance, driven to build transparent, trustworthy technology at scale.

SKILLS

CORE TECHNICAL EXPERTISE: Full-Stack Development, Agentic AI Workflows, RESTful API Integration, Responsive UI Design, Performance Optimization, Database Management, System Integration, Decentralized Application (dApp) Architecture

LANGUAGES, FRAMEWORKS & TOOLS: JavaScript (ES6+), TypeScript, Python, React.js, Next.js, Node.js, Express.js, FastAPI, Tailwind CSS, Sui Move, Rust, C/C++, Git, GitHub, Supabase, PostgreSQL, Firebase

AI & OBSERVABILITY STACK: LLM Orchestration (Llama 3.3, Gemini, Claude), Google ADK, Agentic Frameworks, Prompt Engineering, Multi-Source Data Analysis, LLM Observability & Instrumentation (Opik)

CORE COMPETENCIES: Problem Solving & Debugging, Software Architecture & Optimization, System Design Thinking, Technical Team Leadership, Open-Source SDK Design, Technical Documentation

PROFESSIONAL EXPERIENCE

Programs Lead
GDGoC FUTMinna & American Spaces, Minna

- Programs Management Team Lead, 2026/27: Lead the programs management team.
- Management Team Member, 2025/26: Organised events, managed the community, and helped grow the ecosystem.

Technical Lead **Jun 2026 – Present**
AWS Student Builder Group *Minna, NG*

- Lead weekly virtual workshop series, taking student builders from account setup to deployed cloud projects.
- Designed a phased curriculum (Foundations, Real Applications, Specialisation tracks, Capstone) that turns AWS services into use-case exercises for early-career developers

Technical Lead **May 2026 - Current**
Blockchain Club FUTMinna *Remote*

- Lead the club's technical direction and mentor student developers in smart contract development and Web3 fundamentals.
- Authored the technical curriculum across EVM/Solidity, Sui/Move, Aptos/Move, and Solana/Rust.
- Designed and built the club's community platform.

Front Desk Officer **Mar 2026 - Current**
NIHUB, FUTMinna *Minna, NG*

- Serve as first point of contact at NIHUB, FUTMinna's tech innovation hub, run in partnership with Huawei, Cisco, Microsoft, and Google, guiding students toward the right training or certification track.
- Assess visitors' backgrounds and interests to route them into the pathway that fits their goals.

Full-Stack Developer **Mar 2026 - Current**
LagosRhythm *Remote*

- Engineered backend services and dynamic frontend components (Node.js, React/Next.js) powering real-time streaming and cultural-discovery features for a fast-growing tourism-tech startup.
- Reduced API latency and eliminated cross-device UI instability by restructuring database schema and query design for global traffic.
- Delivering production features end-to-end alongside founders and product in a fast-paced startup cycle, from spec to deployment.

Frontend Engineer **Nov 2025 - Current**
Talenxify (ATC Africa) *Remote*

- Elevated core platform responsiveness by engineering high-performance interfaces in React and Next.js.

- Streamlined onboarding architecture and state management, cutting registration friction for new users.
- Integrated backend RESTful APIs cross-functionally with engineers and product owners, accelerating feature delivery within tight startup timelines

PROJECTS

OpenAtlas | Open SDK & Gateway Connecting N-ATLaS to Real Applications
Led an open-source toolkit that lets developers build with the N-ATLaS language model in Hausa, Yoruba, Igbo, and Nigerian-accented English: a TypeScript SDK, an API gateway with key management and usage limits, and a GPU-served backend for the LLM and speech recognition.
Tech Stack: TypeScript, Cloudflare Workers, D1, Python, FastAPI, Docker, AMD ROCm
Key Impact: Published @openatlas/sdk on npm with three starter kits (Citizen Services, Education, Customer Service), verified end-to-end against the live model.

Safroi | AI-Powered Legal Intelligence Platform
Engineered a full-stack legal-tech platform that deconstructs Terms of Service into actionable risk ratings from live URLs, raw text, or file uploads, paired with a real-time multi-language translation layer.
***Tech Stack*:** React 18, Vite, Groq (Llama-3.3), Google Gemini (Gemma 4), Firebase (Firestore & Auth), Tailwind CSS, Motion
***Key Impact*:** Automated multi-language contract risk scoring against global privacy standards, closing compliance blind spots through real-time policy analysis.

Buiry | Portable Build-Memory for AI Agents
Built a persistent build-memory and dataset-generation layer that lets AI coding agents carry project context across sessions and tools, based on a context-file technique I originated. Built for Sui Overflow 2026 and now being rebuilt as an open-core developer tool for portable agent memory on Walrus.
Tech Stack: Sui, Walrus, Tatum (confirm the actual stack, including the language and framework)
Key Impact: Originated the persistent build-memory technique and built it into a working layer as portable agent memory on Walrus.

ESN-PRISM | Edge-Native Recognition & Security Monitoring Intelligence
Built an edge-native computer vision system that lets users query a live surveillance feed conversationally instead of reviewing footage by hand, pairing real-time recognition with a lightweight Llama reasoning layer and gesture-based control, engineered to run on a standard laptop with no dedicated GPU.
Tech Stack: Python, OpenCV, Computer Vision, Meta Llama (via Groq), Gesture Recognition
Key Impact: Build complete and in testing; runs live on a Core i5 with no GPU.

Suirify | Sovereign Identity Protocol
Designed a zero-knowledge digital identity protocol on the Sui blockchain enabling secure, privacy-preserving credential authentication without exposing raw personal identifiable information.
Tech Stack: Sui Move, Move Prover, TypeScript, Rust, Node.js, Git, Sui zkLogin
Key Impact: Formulated reusable, soulbound cryptographic digital credentials optimized for frictionless, compliant decentralized application (dApp) ecosystem integrations.

CERTIFICATIONS & TRAININGS

5-Day Agentic AI Vibe Coding June 2026
Google/ Kaggle
Introduction to Universal AI June 2026
MIT
Introduction to Red Hat OpenShift AI (AI262F - RHA) *May 2026*
RedHat
Meta AI Developer Academy Graduate *Nov 2025*
Meta / RAIN
Certificate in Full-Stack Development (MERN STACK) *Oct 2025*
Power Learn Project

EDUCATION

Bachelor Of Engineering (BEng): Mechatronics Engineering **Expected in 12/2027**
Federal University of Technology Minna *Minna, NG*