

# Evans Eburu.

SOFTWARE ENGINEER · AI-SAFETY RESEARCHER

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## RESEARCH INTERESTS

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AI safety and the evaluation of large language models — deception, detection, and the *monitorability* of machine reasoning; chain-of-thought faithfulness; safety and robustness of agentic multi-agent systems.

## EDUCATION

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**MSc, Applied Information Technology** — Ural Federal University (UrFU) 2025 – 2027 (expected)  
Institute of Radio Electronics and Information Technology (RTF), Yekaterinburg

**BEng, Electrical & Electronics Engineering** — Federal University of Technology, Owerri 2016 – 2022  
(FUTO), Nigeria

Academic credentials verified by World Education Services (WES), 2023

## PUBLICATIONS

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- [1] **Among LLMs: A Cross-Play Benchmark for Deception, Detection, and the Monitorability of Reasoning.** Eburu, E. Preprint, Zenodo, 2026. doi:10.5281/zenodo.21209429
- [2] **Discrete Event Simulation of a Municipal Meat Production System: Bottleneck Analysis and Optimization.** Eburu, E. C. & Balungu, D. M. *Sustainable Innovative Development: Design & Management*, 2026. RSCI-indexed (eLIBRARY.ru).

## RESEARCH

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**DeceptionBench — “Among LLMs”** [deceptionbench.xyz](https://deceptionbench.xyz) 2026

A live, cross-play benchmark measuring how six frontier LLMs (one per major lab) deceive, detect deception, and whether their private reasoning can be monitored to catch them, played as a full impostor-versus-villager matrix in a text social-deduction game.

- Deception and detection co-vary with capability (Spearman  $\rho = 0.89$ ) yet dissociate in magnitude — an elite detector can be an average deceiver.
- A monitor reading *only* a model's private reasoning identifies the deceiver with AUROC = 1.00; intent leaks in 96% of impostor statements.
- Monitorability is robust to a naive reasoning-hiding instruction (AUROC 1.00  $\rightarrow$  0.9999) — the leak is structural, not stylistic; metric saturation frames the open adversarial question.
- Built the full evaluation harness solo: TypeScript / NestJS, OpenRouter, MongoDB, and a live public leaderboard.

## PROFESSIONAL EXPERIENCE

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**Founding Engineer** — Figo (cross-border neobank) 2026 – present

- Core backend for a cross-border neobank serving 20k+ users across Africa and LatAm: fiat on/off-ramps, multi-chain wallets, virtual card issuing, and a provider-agnostic embedded-finance API.
- Owned reliability-critical paths — idempotent money movement, cross-chain settlement, fee/quote consistency, and balance-ledger validation.

**Founding Engineer** — Autospend (stablecoin infrastructure) 2025 – present

- Built an **agentic trading system** that autonomously executes on-chain trades from user-defined rules and market analysis, with MPC-secured transaction signing.

- Designed stablecoin wallet infrastructure and a Web3 execution layer (DeFi protocol integration, event listeners, secure relayers).

**Founder / Lead Engineer** — Jevan Studio

2026 – present

Independent product & engineering studio

**Senior Backend Engineer** — Bento (Nigeria's leading payroll platform)

2020 – 2024

- Led the v2 → v3 migration of the payroll automation & payments API; architected scalable services (~30% efficiency gain) and mentored junior engineers.

**Founder** — Deg X

2022 – 2023

Cross-chain non-custodial DeFi wallet – 12 blockchain networks, 3 protocols; selected to interview with Axelar Network.

**Lead Developer** — Tales Consulting

2024 – 2025

Sole-built an institutional communication platform with LMS integration via LTI 1.3.

**TECHNICAL SKILLS**

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LANGUAGES	TypeScript, JavaScript, Python, Solidity, Java
BACKEND	NestJS, Node.js, FastAPI, event-driven & service-oriented architecture, REST APIs
DATA	PostgreSQL, MongoDB, Redis
INFRASTRUCTURE	Docker, Kubernetes, AWS, CI/CD, observability
ML / RESEARCH	LLM evaluation, OpenRouter, experimental design, discrete-event simulation (AnyLogic)
WEB3	Smart contracts, Solidity, MPC signing, multi-chain integration

**LANGUAGES**

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English — fluent · Norwegian — basic (in progress)

**CERTIFICATIONS**

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Software Architecture & Software Design (Coursera, 2023) · API Security Architect, API Designer (API Academy, 2023) · MongoDB M320 Data Modeling (2023) · HNG Backend Finalist (2020)