

SAMUEL LEMIKAN

Senior Full-Stack / Systems Engineer — TypeScript · React · Node/Express · Postgres

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SUMMARY

- Senior full-stack engineer focused on shipping dependable product systems: crisp React interfaces, well-structured APIs, and scalable data models.
- Expert in TypeScript-heavy codebases, specializing in realtime data flows, complex dashboards, chart-driven UIs, and performance tuning for high-frequency update screens.
- Ownership-first mindset: I align on technical scope, ship iteratively, maintain strict code quality standards, and communicate effectively within distributed remote teams.

CORE SKILLS

Frontend	TypeScript, React (Hooks, Context), Next.js, Tailwind, Chart.js/Recharts, WebSocket Integration
Backend	Node.js, Express, NestJS, REST APIs, Python (FastAPI), Background Queues, Redis, Auth (JWT/OAuth)
Data/Systems	PostgreSQL (Complex Queries, Indexing), SQL, Event-Driven Architecture, Microservices
Cloud/DevOps	AWS (EC2, SQS, S3), Azure, Docker, Kubernetes, Terraform, CI/CD (GitHub Actions)

EXPERIENCE

Software Engineer — Predictify (Prediction Markets Platform) Dec 2025 – Present · Remote
TypeScript · React · Realtime Dashboards · Data Visualization

- Architected a TypeScript-heavy trading interface for prediction markets, integrating market discovery, order books, portfolio management, and analytics dashboards.
- Implemented realtime WebSocket feeds for fast-moving market data, ensuring 100% state consistency and sub-100ms render updates under heavy load.
- Developed chart-driven time-series views using Recharts/D3, significantly improving readability for users tracking price volume movements.
- Hardened application performance using pragmatic patterns (memoization, virtualization for large lists, and efficient state management) to maintain 60fps scrolling.

Senior Full-Stack Architect (Top-Rated) — Upwork & Independent Feb 2022 – Present · Remote
Node.js · React · Microservices · PostgreSQL · AWS

- Led end-to-end delivery of multiple SaaS products, building React UIs, scalable Express APIs, and normalized Postgres schemas handling 200K+ requests/hour.
- Designed automated content generation pipelines by integrating third-party AI APIs, streamlining document creation workflows for enterprise clients.
- Implemented robust CI/CD roadmaps and cloud-native architectures on AWS/Azure, utilizing Docker and Kubernetes for seamless scaling.
- Optimized backend performance for realtime data streaming using Redis and WebSockets, critical for live market data and responsive feedback loops.

Senior Systems Engineer (Contract) — Confidential Infrastructure Jan 2024 – Mar 2025 · Remote
Rust · WASM · Distributed Systems · Edge Computing

- Engineered Edge Computing solutions using Rust and WASM to run complex verification logic directly on client devices, reducing server load by 40%.
- Designed high-throughput data pipelines capable of processing cryptographic proofs in real-time, optimizing for sub-second latency.
- Collaborated with cross-functional teams to integrate "Verifiable Credentials" into standard auth flows, ensuring data sovereignty.

Software Development Engineer — SoftwareLance Dec 2020 – Mar 2022 · Remote
Python · AWS SQS · NLP · Document Automation

- Spearheaded a Multimodal AI Pipeline combining OCR and NLP to extract and structure data from legal documents, improving accuracy by 40%.
- Designed fault-tolerant distributed systems using AWS SQS, ensuring reliability for high-volume autonomous data processing tasks.

SELECTED KEY PROJECTS

- Sol-Guard (AI Security Agent):** Architected a security auditor using LLMs (LangChain) and RAG. Autonomously scans codebases for vulnerabilities by retrieving context from a vector database (Pinecone).
- Picly.art (Generative AI):** Built a production-grade GenAI platform using Stable Diffusion. Optimized inference latency for user-facing flows via Python FastAPI on AWS GPU instances.
- Arb-Sentinel (FinTech Agent):** Developed a high-frequency autonomous agent in Rust. Monitors mempools for arbitrage opportunities and executes atomic transactions with zero human intervention.
- Whisper-ID (Privacy Protocol):** Designed a privacy-first identity verification system using Zero-Knowledge Proofs (Circom), enabling users to prove attributes locally without server data transmission.

EDUCATION

B.Tech Mechanical Engineering (CGPA: 4.03/5.0) — Ahmadu Bello University 2019 – 2025
Focus: Computational Logic, Control Systems, Industrial Automation (Robotics)

Software Engineering Program — ALX Africa 2023 – 2024
Certifications: DevOps Fundamentals (Linux Foundation), Advanced Systems Engineering