

JOEL ILETI

Senior Software Engineer | Full-Stack Developer

+447724662626 | joelileti@gmail.com | [LinkedIn](#) | [Portfolio](#) | Birmingham, United Kingdom

PROFESSIONAL SUMMARY

Senior Software Engineer with 7+ years building distributed systems, high-throughput data pipelines, and AI-integrated applications across fintech, hiring, and developer tooling. Designed systems sustaining 2,000+ RPS, built fraud detection engines, and architected an autonomous testing platform from the ground up. Fluent across backend (Go, C#, Node.js), full-stack (Next.js, React, TypeScript), and cloud infrastructure (AWS, Azure, Docker). AWS and Azure certified.

CORE SKILLS

- **Languages:** Go, C# / ASP.NET Core, TypeScript / JavaScript, SQL
- **Backend & APIs:** Node.js, Fastify, REST, GraphQL, OAuth2/JWT/RBAC
- **Databases:** PostgreSQL, MySQL, MongoDB, SQL Server, Redis/Redis Streams, Prometheus.
- **Frontend Development:** React.js, Next.js, HTML, CSS (Tailwind, Chakra).
- **Cloud & DevOps:** Kubernetes, Docker, AWS, Azure, CI/CD (Jenkins, Octopus, GitHub Actions).
- **Architecture:** Microservices, distributed/event-driven systems, SOLID/OOP, TDD, testing, scalability & performance.
- **Leadership:** Mentoring, cross-functional collaboration, stakeholder communication, process improvement.

SELECTED PROJECTS

SentinelAI

Autonomous Load Testing & Security Scanning Platform

Stack: Go · Node.js · TypeScript · Next.js · PostgreSQL · Redis Streams · Prometheus · OpenAI · Docker

- Go worker engine sustaining 2,000+ RPS across 100 concurrent goroutines with <2% latency error; Redis Streams pipeline at 3,000–5,000 events/sec with 0% data loss across failure scenarios.
- Anomaly detection processing 2M+ metrics in 7.4s — slow endpoints, error clusters, latency spikes, and timeout patterns; zero false positives on clean datasets..
- GPT-4o planner generates structured test plans from crawl results with Zod validation and automatic fallback; analyst produces narrative reports citing exact p99, error rate, and RPS.
- Security engine with 21 static probes across 6 OWASP categories, CVSS scoring, CWE mapping, and AI-chained attack path analysis.
- Production hardening: circuit breakers, graceful shutdown, request ID propagation, non-root containers, zero hardcoded secrets.

Distributed Payments & Financial Systems Platform

Rule-Based Fraud Engine with Simulation Validation

Stack: Node.js · TypeScript · PostgreSQL · Redis · REST APIs

- Rule-based fraud engine with configurable condition triggers evaluating transactions in real time without third-party dependency; rule weights tuned through simulation against historical patterns.
- Event-driven pipeline architecture isolates fraud evaluation from the payment critical path; new fraud signals configurable without code changes.

AI-Powered Candidate Ranking System

CV Parsing, Competence Assessment & Skills Matching

Stack: Node.js · TypeScript · Next.js · PostgreSQL · OpenAI · REST APIs

- End-to-end pipeline: AI parses CVs into structured data, generates and scores role-adaptive competence tests, and ranks candidates across configurable multi-dimensional weights.
- Competence tests adapt to seniority level from the job description; recruiter dashboard surfaces per-dimension scores with AI-generated rationale for each ranking decision.

B2B Invoice & Billing Platform

Recurring Billing, Payment Plans & Stripe Integration

Stack: Node.js · TypeScript · Next.js · PostgreSQL · Stripe · REST APIs

- Full B2B invoicing platform: generation, delivery, payment tracking, and reconciliation with Stripe webhooks maintaining PostgreSQL as source of truth.
- Recurring billing engine (weekly/monthly/annual) with exponential backoff retry; payment plan feature splits invoices into scheduled instalments with automated reminders.

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Full Stack Developer

Sept 2024 - Present

KROSS SOUND

- Architected real-time streaming platform for high-traffic live events; reduced p95 page load 30% through query optimisation and CDN strategy.
- Mentored 3 junior engineers on distributed systems and code quality; collaborated with product and design on high-impact features driving 20% user retention increase.

Senior Software Engineer

Jan 2023 - Aug 2024

HIREWay

- Built high-performance ASP.NET Core and TypeScript APIs on AWS, cutting average response time 25%; automated CI/CD with Jenkins and Octopus Deploy reducing deployment time 80%.
- Co-designed microservices and serverless architecture reducing infrastructure cost 25%; drove agile improvements delivering 98% of projects on schedule.

Software Engineer

July 2019 - Oct 2021

VENTURE GARDEN GROUP

- Built new systems and modernised legacy financial systems in C# and .NET Core for B2B clients, cutting operational costs 25% and improving performance 15% through SOLID-principled refactoring
- Participated actively in agile ceremonies and code reviews, improving team delivery efficiency by 22%.

Web Developer

Jan 2018 - May 2019

JAYCOM Solutions

- Delivered responsive web applications increasing user engagement 35% and conversion 15%; reduced defects 40% through code reviews and automated linting.

CERTIFICATIONS

- AWS Certified Cloud Practitioner [Verifiable Link](#)
- Microsoft Certified: Azure Fundamentals [Verifiable Link](#)
- Microsoft Certified: Azure AI Fundamentals [Verifiable Link](#)

EDUCATION

- **Masters of Public Health (MPH)** 2021 - 2023
Birmingham City University
- **Bachelor of Science, Physiology** 2012 - 2016
University of Lagos