Jonathan Kadiri

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PROFILE

Software engineer and Computer Science and Software Engineering graduate (Maynooth University, 2026). I build and run backend systems and ship products real people use. I designed, built and launched Clocked, a paid SaaS product with live API ingestion, an LLM pipeline with automatic failover and Stripe billing, and I run it in production on my own.

EXPERIENCE

Junior Developer Analyst Mar 2025 – Aug 2025
Maynooth University *Kildare, Ireland*

- Rebuilt parts of the Computer Science department portal in React, Node.js and MongoDB, used by 100+ staff and students.
- Integrated data from separate university databases and added validation rules that eliminated scheduling conflicts, replacing a manual verification process.
- Profiled query performance to find bottlenecks and cut table load times by 40%; fixed 5+ critical usability issues found in user testing before release.
- Delivered 20+ user stories across 8 agile sprints in Jira, with 100% of changes peer-reviewed.

Technical Product Specialist, VR and Smart Glasses Jun 2024 – Jul 2024
Meta *Dublin, Ireland*

- Ran 60+ training sessions on Meta Quest and Ray-Ban smart glasses for partners and internal teams, raising product proficiency by 50% and contributing to a 20% rise in adoption.
- Resolved 200+ customer and partner queries and cut resolution time by 35% by writing structured troubleshooting guides.

Chess Tutor Sep 2025 – Present
CheckMates *Dublin, Ireland*

PROJECTS

Clocked (clocked-ai.com), Founder | Python, Flask, PostgreSQL, Next.js, TypeScript, Stripe Jun 2026

- Designed, built and launched a paid SaaS product end to end and run it in production on my own, with real subscribers paying through Stripe.
- Ingests live game data from the Chess.com and Lichess APIs into PostgreSQL and runs an LLM analysis pipeline over it, on Claude with automatic failover to GPT-4o-mini.
- Deployed the Flask backend on Railway and the Next.js frontend on Vercel with git-based auto-deploys; I run billing and email (Resend) myself.

MuleRadar, Cognition Builder Day Dublin Nov 2026

- Built the backend for a tool that flags likely money-mule accounts in transaction data, in a two-person team in one day; live demo on synthetic data at muleradar.vercel.app.

Algorithmic Trading Backtester | Python, Flask, pandas, PostgreSQL, React Feb 2026

- Built a backtesting engine that runs moving-average crossover strategies over 5+ years of historical market data stored in PostgreSQL.
- Served results through 6 REST endpoints in Flask to a React dashboard.
- Tested every metric (Sharpe ratio, max drawdown, annualised return) against reference calculations to 99.5% accuracy.

VeriCV, Final Year Project | Java, Spring Boot, React, PostgreSQL, Docker Oct 2025

- Built a platform that lets employers verify CV records with RSA digital signatures, with secure sign-in, access controls and full-text search over an 8-entity relational schema; containerised with Docker.

EDUCATION

Maynooth University, BSc (Hons) Computer Science and Software Engineering Sep 2022 – 2026
Modules: Parallel and Distributed Systems, Databases, Software Testing, Machine Learning, Artificial Intelligence

SKILLS

Languages: Python, Java, TypeScript/JavaScript, SQL · **Frontend:** React, Next.js, Tailwind
Backend: Flask, Spring Boot, Node.js, REST APIs, PostgreSQL, Supabase, MongoDB
AI: LLM integration (Claude and OpenAI APIs), multi-provider pipelines with failover
Tools and cloud: Git, Docker, Vercel, Railway, Stripe, Jira, agile/Scrum

AWARDS AND INTERESTS

- 3rd place, BGN Hackathon at Google (Oct 2024): team of 5, pitched to four Google directors
- 2nd place, ACCA Inspiring Future Leaders (2018) · Chess: Chess.com rapid ~1,600 (top ~2% of players)