Lionel Muskwe

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PERSONAL STATEMENT

First-Class Computer Science graduate with a passion for building scalable web platforms that blend cloud infrastructure, AI services, and clean user experience. I've led projects from system design to deployment, integrating GPT-4 and speech-to-text APIs, Dockerized CI/CD pipelines, and multi-tenant architecture. Experienced in balancing client needs, engineering quality, and rapid delivery. I'm now seeking a role where I can contribute to enterprise-level innovation and pursue my long term career milestone of becoming a high-impact solutions architect.

EDUCATION

BSc (Hons) Computer Science – First Class

Aston University, Birmingham | 2021 – 2025

- Developed strong foundations in full-stack development, software architecture, cloud deployment, and intelligent systems
- Applied theory to real-world team projects, acting as both developer and team lead across Agile sprints
- Key Modules: Advanced Databases, Applied AI, System Security, GIS Analysis, Software Project Management, Team Project, Full-Stack Web Development

TECHNICAL SKILLS

Languages: Python, C#, Java, PHP, JavaScript, TypeScript, SQL
Frameworks: Django, React, Next.js, ASP.NET Core, Git
DevOps & Cloud: Docker, GitHub Actions, Nginx, Gunicorn, AWS EC2/S3, Domain Management
Data & Infrastructure: PostgreSQL, MySQL, Microsoft Server, Redis, RabbitMQ, Prometheus, Grafana
Other Tools: Postman (API Testing)

EXPERIENCE

Bespoke Compliance SASS Software
Feb 2024 – May 2025 | Contracted Project

- Developed a full-stack, multi-tenant SaaS platform automating compliance workflows for care agencies
- Engineered modular task systems using Celery + RabbitMQ to generate spotchecks, appraisals, and document requests
- Built custom contract signing workflows with field mapping and dual-role approvals
- Managed production and staging CI/CD deployments via GitHub Actions on a Dockerised VPS
- Primary lead in client onboarding, demo presentations, and architectural decisions

Aston University · School of Computer Science
Sep 2024 – April 2025 | Teaching Assistant

- Supported over 200 students across 3 core modules

- Collaborated with lecturers to deliver module content, helping students understand both technical objectives and the reasoning behind course design
- Delivered a presentation on how to improve student and teaching assistant experience heavily leveraging my dual perspective as both staff and active student
- Adapted teaching methods to support students across a wide range of technical abilities, from beginners to advanced utilising analogies, live demos, and tailored explanations

Pinewood Technologies
Aug 2023 – Aug 2024 | Software Engineer Placement

- Completed a 12-month industrial placement delivering internal tools for dealerships across the UK
- Built and deployed production features in a real team environment using ASP.NET, SASS, JS, and C#
- Developed features with real business constraints, including bug-fixing, and writing code for complex multi-module deliverables including critical finance modules
- Worked across the full software lifecycle: leading requirement-discovery meetings, pair programming, REST API work, and post-deployment testing
- Delivered high-severity solo tickets in the final months with increasing autonomy and ownership
- Gained extensive experience in Agile ceremonies, internal tooling ecosystems, and stakeholder collaboration

Beautiful Canoe
Jun 2022 – Sep 2022 | Software Engineer Internship

- Independently led client meetings and refactored a live cross-platform language learning app
- Rehosted the backend, reconfigured mobile API routes, and contributed C# Xamarin bug fixes
- Improved UI elements, tested across platforms, and maintained clean, rebased Git histories
- Strengthened Agile delivery discipline and communication of technical concepts to non-technical stakeholders

PROJECT HIGHLIGHTS

Final Year Project: *Articulate AI* **-** [Tech: React, Django, GPT-4, Deepgram, Docker]
AI-powered speech feedback tool with persona scoring and Deepgram pacing/clarity metrics. Built to support aspiring speakers in evaluating tone, language, and delivery. Now exploring autonomous task agents using LangChain + GPT-4 to turn Articulate AI into a goal-oriented agentic speech coach, capable of decomposing objectives, orchestrating feedback loops, and guiding users through multi-session improvement plans.

SaaS Compliance Software - [Tech: React, Django, Celery, Redis, RabbitMQ, Docker, GitHub Actions]
Production-grade compliance platform for UK care agencies. Features include appraisal scheduling, PDF signing, audit logging, user lifecycle management and multi-tenant database architecture.

ADDITIONAL SKILLS

- **Languages:** Fluent in English and Shona
- **Leadership:** Managed 3 junior level developers and led product demos across two live SaaS deployments. Served as both Aston University's Computer Science Society President and Aston Men's First Team volleyball captain.
- **Hobbies**: Powerlifting (260kg squat, 140kg bench press, 250kg deadlift), Personal Development, reading on business and architectural strategic thinking and planning.

REFERENCES

Available on request.