

Marcus Kamuntu

mail@aspekts.dev | +447948309605 | aspekts.dev | github.com/aspekts | linkedin.com/in/mkamuntu

SUMMARY

A third-year BSc Computer Science student with proven full-stack engineering experience, having delivered scalable web applications to clients and large user bases. Skilled in React, Next.js, Node.js, and MongoDB, with experience in agile teamwork, deployment, and database architecture. Seeking to apply software engineering expertise to contribute to production-ready systems during an industrial placement.

EDUCATION

University of Dundee

Scotland, United Kingdom

BSc (Hons) Computer Science (Data Science and AI) with Industrial Placement

2024 – 2028

- Relevant coursework: Multi-Paradigm Programming, Modern Stack Web Development, Software Engineering

PROFESSIONAL EXPERIENCE

Yarn Development

London, England [Hybrid]

Founder and CEO

Mar 2021 – Present

- Delivered bespoke full-stack solutions for clients, including educational content management platforms and company portfolios.
- Implemented responsive UI with React/Next.js and deployed applications using Vercel and Supabase
- Coordinated with clients on requirements, version control workflows, and feature delivery.
- Key Skills: Next.js, DevOps, CI/CD, PostgreSQL

Rover (formerly Documatic)

London, England [Online]

Beta Manager

Jun 2022 – Sep 2022

- Managed beta testing for AI-related developer tools, gathering insights to improve NLP-driven features.
- Collaborated with engineering teams to refine system usability and feature prioritization.
- Key Skills: Teamwork, Git, Communication, Software Project Management

Pollo Game Boat

Boston, MA, USA [Online]

Co-Founder and Lead Developer

Feb 2021 – Jun 2022

- Designed and maintained a Discord bot with a simulated economy and automated moderation for 250,000+ active users.
- Migrated system from MySQL to MongoDB and refactored backend from CommonJS Node.js to TypeScript.
- Developed APIs and modular architecture for scalability and maintainability.
- Key Skills: Node.js, TypeScript, Express, MongoDB

PROJECTS AND EXTRACURRICULAR

Vice President, Dundee University Computing Society

Sep 2025 – Present

- Set to organize and lead technical workshops, hackathons, and speaker events for 200+ members.
- Collaborate with industry partners to provide networking opportunities and sponsor engagement.
- Support the executive team in strategy, event planning, and community building.

PoeAPI | Python, FastAPI, requests

May 2023

- Self-hostable reverse engineering of Quora's Poe.com API to enable free access to ChatGPT's GPT-4 and Claude 2.

Optimizing Pathfinding for Autonomous EVs | Python, Matplotlib, NetworkX

Dec 2024

- Research project on creating a dynamic routing algorithm for autonomous electric vehicles.
- Implemented graph-based routing algorithms for autonomous EVs under real-world constraints (traffic, charging)

QGenie | Express, Node.js, LLMs

Jun 2024

- Engineered an AI-driven question generation system leveraging pretrained large language models with a Node.js/Express backend.

- Designed prompting strategies, data validation layers, and response parsing algorithms to generate domain-specific, exam-style content in real time.

Sendix | SaaS Platform

Sep 2025

- Built an AI-powered cold email outreach platform using Supabase, Node.js/Express, React, and Stripe.
- Designed analytics pipeline for real-time tracking of opens and clicks.

Campus Companion | Next.js (DUCS Quackathon 2025 Winner)

Mar 2025

- Developed tools to improve student onboarding, including chat-based Q&A with LLM integration.
- Won Junior Challenge.

Rotary Youth Speaks Debate Champion

Mar 2020

- Regional and District Champion in the Enfield Competition and London District Finals.
- Won best Intermediate Speaker award.

SKILLS

Programming Languages: JavaScript (ES6+), TypeScript, Python, C, Swift, Flutter

Frameworks: React, Next.js, Express, FastAPI, Bootstrap, Tailwind CSS

Tools: Git, Docker, Supabase, Vercel, GitHub Actions

Testing: Jest, Mocha (unit and integration testing)

Languages: English (Advanced), French (Limited)