Nhat Minh (Miles) Nguyen

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UK Student visa (part-time work permitted) → Graduate Route from Dec 2026. No sponsorship required.

PROFILE

Engineer with 3 years' commercial experience delivering production SaaS platforms end-to-end, now specialising in cloud infrastructure through an MSc in Cloud Computing (on track for Distinction). Hands-on with Docker and AWS serverless architecture, alongside REST API orchestration, relational and NoSQL data modelling, and monitoring. Currently seeking a cloud/software engineering role.

EDUCATION

University of Leicester, Leicester, UK — Sep 2025 - Sep 2026

Master of Science (M.Sc) in Cloud Computing (Expected Classification: **Distinction**)

Core Modules: Internet and Cloud Computing, Agile Cloud Automation, Software Oriented Architecture, Data-Driven Service Design. Coursework includes cloud architecture design for scalable web applications on both AWS and Azure.

Hanoi University of Science and Technology, Hanoi, Vietnam — Aug 2019 - Oct 2023

Bachelor of Science (B.Sc) in Information and Communication Technology

TECHNICAL SKILLS

- **Cloud & Infrastructure:** AWS (Lambda, API Gateway, DynamoDB, Aurora, S3, CloudFront)
- **Back-end & APIs:** Node.js, Express, NestJS, Django REST Framework, REST API design & integration, WebSockets, JWT/bcrypt authentication, SQL, MongoDB/Mongoose.
- **Front-end & No-code:** React, Vite, JavaScript, TypeScript, HTML5/CSS, Bubble.io (API Connector, App Connector, custom plugins).
- **Languages & ML:** Python, Java, C++, SQL; PyTorch, TensorFlow/Keras, scikit-learn, Hugging Face Transformers.
- **Certifications:** AWS Certified AI Practitioner (AIF-C01); Bubble.io Developer Certifications.

WORK EXPERIENCE

Aprofyle Technologies Ltd, Kingston upon Thames, UK - *No-code AI Engineer (part-time)* — Jul 2026 - Present

- Build AI-enabled features for an early-stage recruitment platform, integrating multiple LLM APIs into no-code Bubble applications.
- Work on cloud-backed data workflows using AWS storage, with attention to data privacy and encryption in candidate handling.

Impact Academies, UK - *IT Tutor (part-time)* — Jan 2026 - Jul 2026

- Taught programming fundamentals in Python, Java, HTML and Scratch to children aged 5–15, adapting lesson design to individual learning pace.

Vitex Asia - *Team Lead, No-code & Integration Development* — May 2024 - Sep 2025

- Coordinated delivery of multiple production SaaS platforms for international clients, managing planning, task allocation, progress tracking and handover.
- Oversaw integration of third-party services including payment, authentication and notification providers; contributed to back-end API development in NestJS.
- Managed and mentored a team of 4–6 developers and interns; introduced structured onboarding and code review that cut ramp-up time from roughly four weeks to two.
- Served as the main point of contact for clients, providing technical consulting, progress reporting and strategic recommendations across concurrent projects.

YoungIT - Citizendev.io - *Full-Stack No-code Developer* — Jan 2023 - May 2024

- Delivered 5 production SaaS applications end-to-end, from requirements analysis and schema design through to release and client training.
- Designed relational database schemas and authored technical documentation adopted as the team reference for onboarding and project handover.

PROJECTS

Private Cloud Infrastructure for a Distributed Whiteboard - *M.Sc group project, University of Leicester* — Dec 2025

- **Description:** Self-hosted private cloud running a real-time collaborative whiteboard, designed as a CP system under the CAP theorem to guarantee consistent shared state across nodes.
- Built a MicroK8s cluster running containerised client and server tiers (3 replicas each), with Ingress-NGINX load balancing and upstream hashing for sticky sessions, and Horizontal Pod Autoscaling from 1–5 replicas on CPU and memory thresholds.
- **My contribution:** co-designed the architecture and technology stack, authored the Deployment and Service manifests for inter-pod communication, and built the monitoring stack — Prometheus scraping via a custom PodMonitor with Grafana dashboards.
- **Technologies:** Kubernetes (MicroK8s), Docker, Ingress-NGINX, MongoDB Atlas (replica set), Prometheus, Grafana, WebSockets, Ubuntu.

Event RSVP — Serverless AWS Application — May 2026

- **Description:** Event registration application built entirely on managed AWS services, with a static front end on S3 behind CloudFront and a serverless API back end.
- Implemented the API as a Node.js Lambda handler behind API Gateway, routing requests across DynamoDB and an Aurora MySQL database, using DynamoDB transactions to keep concurrent RSVP writes atomic.
- **Technologies:** AWS Lambda, API Gateway, DynamoDB, Aurora (MySQL), S3, CloudFront; Node.js, AWS SDK v3.

M.Sc Dissertation — Comparative Study of Text Categorization Models — Jun 2026 - Sep 2026

- **Description:** Controlled four-way comparison of SVM, BiLSTM, BERT and Zero-Shot classifiers on accuracy, training cost and inference latency, across 11 model variants on a single shared pipeline.
- Built the data pipeline merging 6 source datasets into a unified 318,000-row, 8-category corpus, with encoding repair, label mapping and cross-source deduplication.
- Developed a containerised web application serving all 11 models from one API for live side-by-side prediction, benchmarking per-model inference latency from 0.0006 ms (SVM) to 306 ms (Zero-Shot).
- **Technologies:** Python, PyTorch, TensorFlow/Keras, scikit-learn, Hugging Face Transformers, Django REST Framework, React, Docker.