

Benas Kuliesis

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EDUCATION

Queen Mary University of London

London, UK

BSc Computer Science (Expected First-Class Honours)

Expected Graduation, Sep 2026

- **Relevant Modules:** Data Structures & Algorithms, Database Systems, Distributed Systems, Operating Systems, Security Engineering, Big Data Processing, Data Mining, Neural Networks and Deep Learning

St Gregory's Catholic Science College

London, UK

A-Levels: Mathematics (A*), Further Mathematics (A*), Computer Science (A)

Sep 2021 – Jun 2023

EXPERIENCE

Amazon.com

London, UK

Software Development Engineer Intern

Jun 2025 – Sep 2025

- Automated the Quarterly Business Review metrics collection process for the organisation, consisting of **50+ metrics**.
- Coordinated with **5 teams** to trace data sources of metrics and resolved inaccuracies and flaws in logic.
- Built end-to-end infrastructure using **AWS CDK/CloudFormation**; configured QuickSight datasets with complex Athena SQL queries consisting of many data sources; set up data access using Lake Formation and Lambda functions.
- Delivered a QuickSight dashboard embedded in an internal wiki page automating **~80% of metrics**, enabling precise weekly, monthly, and quarterly tracking; praised by manager's manager: *"This will make your lives 100x easier"*.

Freelance

London, UK

Software Engineer

May 2025 – Present

- **Sole engineer** building lottery-style cash competition platform for a startup client end-to-end (Next.js / TypeScript, Supabase Postgres + Prisma); owning architecture, backend, frontend, auth, admin tooling, and deployment.
- Pre-generated competition ticket inventories in batches (**5,000** rows at a time) and built random ticket allocation tuned for competitions of **10,000+ tickets**.
- Implemented concurrent-purchase safety with Postgres **row-level locking**; bundled wallet debit, ticket reservation, purchase records, and instant-win workflow into one atomic Prisma transaction.

PROJECTS

Lingua: Multilingual Messaging App

London, UK

Individual Final-Year Project

Oct 2025 – Apr 2026

- Designed, built, and shipped a React Native (Expo) iOS and Android multilingual messaging app, used in real cross-language conversations by **13 beta testers across 10 languages**, rated **4.9/5 overall**.
- Engineered serverless real-time backend on AWS with separate HTTP and **WebSocket** API Gateways, Lambda (Express for HTTP), DynamoDB, S3, and Neon PostgreSQL via Prisma ORM; deployed with AWS CDK.
- Secured the application with **AES-256-GCM** at-rest message encryption (keys derived from AWS Secrets Manager), TLS in transit, and JWT-verified passwordless OTP authentication via Cognito.
- Benchmarked **3 translation providers** (Amazon Translate, Google NMT, Google LLM) on **FLORES-200** across **6 language directions** with *chrF/BLEU* plus qualitative case studies; selected Google LLM for production.

GoFetch: Pet Minding Platform (Prototype)

London, UK

Group Project (Team Lead)

Jan 2025 – Apr 2025

- Led a **team of 7** to design and build a pet minding platform connecting pet owners and local minders.
- Architected and shipped core features: booking workflow (request/acceptance), filtered browsing for minders, and dual role-based dashboards for owners and minders.
- Reviewed and approved merges across **5,000+ lines** of TypeScript/React/Express, setting branching/PR standards adopted by the team.

SKILLS

Languages: Python, Java, TypeScript, JavaScript, SQL

Frameworks: React, React Native (Expo), Next.js, Node.js, Express.js, Prisma, Zustand, TailwindCSS

Databases: PostgreSQL, Supabase, Neon, DynamoDB

Cloud & Data: AWS (CDK, Lambda, API Gateway, Cognito, RDS, S3, Athena, QuickSight), Apache Spark, PyTorch, NumPy

Tools: Git, GitHub, Docker, Jupyter Notebook