

James Kenny



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Full-Stack Software Engineer

Computer Science graduate with 2+ years of backend-first full-stack experience in the medical-tech industry. Skilled at designing secure, performant APIs and complex database systems. Experienced working as the sole backend engineer, owning deployments, CI/CD pipelines, and system architecture. Strong foundation in Python (Django) with growing expertise in Go, React, and cloud technologies.

Core Skills

Backend: Python (5+ yrs), Django (3+ yrs), Flask, REST API standards, GoLang (learning)

Frontend: React, React Native, JavaScript, Node.js

Databases: PostgreSQL, MySQL, SQLite, MongoDB

DevOps & Cloud: CI/CD (Docker, GitHub Actions, Terraform), AWS, Scaleway, Google Cloud

Other: Git (GitHub/GitLab), Linux, Jira, Agile

Work Experience

Full Stack Developer — *Wisify, Porto*

Nov 2023 – Present

- Led a **complex migration from a legacy DBAS to PostgreSQL**, rewriting all Django ORM classes. Achieved **2–5x performance gains** and cut subscription costs by hundreds of euros annually, while preserving encrypted storage of personal data.
- Sole backend engineer responsible for **all deployments and CI/CD automations**, ensuring smooth releases across web, mobile, and desktop platforms.
- Delivered production features spanning the full stack, including secure API endpoints, data-intensive queries, and React-based UI components.

Online Computer Science Teacher — *Lime Education Ltd, Porto*

Sep 2021 – Jan 2025

- Designed and taught programming lessons for students aged 6–19, adapting concepts to a wide range of ability levels.
- Reinforced own technical expertise by teaching fundamentals daily, building strong communication and problem-solving skills.

English Teacher — *Guangzhou, China (2017–2021)*

- Taught group and 1-to-1 classes to hundreds of students, building resilience, adaptability, and clear communication skills while completing a BSc in Computer Science.
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Projects

- [IoT Sensor Suite \(Open Source\)](#): Python/Go/React application for Raspberry Pi, enabling users to record, monitor, and visualize live and historical sensor temperature data.
 - [Education Dashboard App](#): Full-stack SaaS platform (Python/Django + React) for freelance teachers — features include class scheduling, group management, chat, whiteboard, file sharing, and assignments. (Login with the username and password: *teacher* to try it out.)
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Education

BSc (Hons) Computer Science, Upper Second-Class (2:1) — *The Open University*

Languages

 English (Native) |  Portuguese (Beginner–Intermediate) |  Chinese (Beginner)