

# 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.

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## Core Skills

**Backend:** Python (5+ yrs), Django, 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

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## 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.
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## Education

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

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## Languages

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