John Kealy

Software engineer · Technical video and developer education

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SUMMARY

Software engineer with over a decade of writing code: a PhD built on Python and data, six years as a software engineer, and for the last two and a half years my own app studio, marketed entirely through my YouTube channel (457,000 views). I made long-form technical videos about building and shipping apps with AI, and taught founders to do it themselves. I'm looking to do this for one company: learn its product inside out and explain it, video first, with documentation, community and developer feedback around it. Full-time or contract, remote from Spain, already set up to invoice.

EXPERIENCE

Founder and independent app developer · Kealy Studio, remote — May 2024 – present

- Built and ran a YouTube channel that was the studio's only marketing channel and powered my whole income for two years: 81 videos, 457,000 views and 6,700 subscribers (November 2026). Long-form videos on building and shipping mobile apps with AI tools, Expo / React Native, Supabase and Claude Code, through to the App Store and Google Play.
- Measured each video through to paying customers, and built my own tools to research, script and record them.
- Built a developer platform for my students: a dashboard and VS Code extension that set up and run their full stack (FastAPI, Vue 3, Supabase, WebSockets).
- Taught non-technical founders to build and ship their own apps: created several courses, ran a paid community, and held live office hours where members brought their builds for hands-on help.
- Ran Studio Builds, the studio's build service: founders' apps taken from technical discovery and architecture through to release in the stores.

Lead Software Engineer · Loialcard, contract, remote — Feb 2023 – Apr 2024

- Designed and coded the full architecture of a B2B service that gives businesses their own branded native mobile app in the stores, with a web portal (Vue.js) for content, users and targeted push notifications.
- Solved the backend infrastructure for running hundreds of separate Python applications concurrently, and wrote CLI tools to generate and modify Flutter codebases.
- Hired and managed team members, worked with investors on product roadmaps and due-diligence reports, and stood in as interim CTO during changes in management.

Freelance Web Developer · Ikius, remote — Oct 2022 – Feb 2023

Client-facing feature work on business-critical web applications in Next.js (React) and Nuxt (Vue), with headless CMSs (Sanity, DatoCMS, Contentful), Tailwind, Netlify and Heroku.

Backend Software Developer · CarbonSpaceTech, contract, remote — Apr 2022 – Aug 2022

- Python / FastAPI backend for greenhouse-gas monitoring over agricultural land from satellite data, on serverless AWS (Lambda, API Gateway, DynamoDB).
- Made the API's database queries 6x faster, wrote its pytest suite from scratch, and turned scientific code into the event-based data-processing pipeline.

Software Engineer · Overloop, contract, remote — Jun 2021 – Apr 2022

- Backend development for a U.S. real-estate platform in an Agile team: Django, PostgreSQL, Docker and AWS, including complex third-party API integrations.
- Took a leading role in the strategy for paying down technical debt during rapid scaling, including an event-driven FastAPI microservice publishing through Amazon SQS.

Associate Full Stack Developer · Propylon, Dublin — Aug 2020 – Feb 2021

Full-stack development and continuous deployment of legislative software for a U.S. state Senate, in a cross-functional Agile team (Python / Django, SQL, Linux).

EARLIER: SCIENCE AND SCIENCE COMMUNICATION

Chief Editor, YourWeather.co.uk · Meteored, remote — Feb 2019 – May 2019

Managed a small remote team writing daily articles on weather, astronomy and the environment, each read by 500–1,000 people.

Research Scientist, Satellite Applications · Met Office, Exeter, UK — Jan 2016 – Jul 2016

Evaluated satellite cloud products against aircraft lidar data, cleaning and analysing large datasets in Python (pandas, xarray, matplotlib); published in Atmospheric Chemistry and Physics and presented the results in seminars.

Operational Meteorologist · Met Office, Aberdeen, UK — Apr 2013 – Jan 2016

Forecast the weather and explained it to the people who acted on it, in commercial and military aviation, transport, mountain safety and winter road services; issued severe-weather warnings against the clock.

EDUCATION

PhD, Mathematics and Atmospheric Science · University of Exeter, UK — 2016 – 2020

- Improved the modelling of turbulence in weather prediction models, working in Fortran and Python on high-performance computing systems; published in peer-reviewed journals including Boundary-Layer Meteorology.
- Royal Meteorological Society award for presentation skills; assisted in teaching a programming course.

Coding bootcamp, nine weeks · Le Wagon, Bali — 2020

MSc (Research), Meteorology · University of Hawaii at Manoa, USA — 2009 – 2012

MSc, Meteorology, first-class honours · University College Dublin, Ireland — 2008 – 2009

BSc, Physics and Astronomy · University of Galway, Ireland — 2003 – 2007

SKILLS

Video and education: long-form technical video (topic research, scripting, recording, editing in Final Cut Pro), YouTube analytics and funnel tracking, course design, live teaching, technical writing.

Languages: Python, TypeScript / JavaScript, SQL, Bash.

Frameworks: FastAPI, Django, Vue 3, Nuxt, React, Next.js, Expo / React Native, Flutter.

Data and infrastructure: Supabase, PostgreSQL, DynamoDB, Docker, AWS (Lambda, API Gateway, SQS, S3), Google Cloud, GitHub, CI/CD.

AI-assisted development: Claude Code, and the AI app builders (Lovable, Bolt, Replit, Base44) I reviewed for my channel.

LANGUAGES

English (native) · **Spanish** (limited working proficiency)