George Kafetzopoulos

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PROFILE

Full-stack developer with production experience across the entire stack, from React frontends to Python data pipelines. Proven track record delivering systems that replaced manual workflows and drove measurable business outcomes. Proficient in TypeScript, Next.js, and Python. Currently completing a BSc in Computer Science alongside full-time employment.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL, C++
Frontend: React 19, Next.js 15, Tailwind CSS, MUI, Zustand, TanStack Query
Backend: Node.js, Express.js, tRPC, FastAPI, Django, Flask
Databases & ORMs: PostgreSQL, SQL Server, SQLite, Prisma, Drizzle ORM, SQLAlchemy, Turso (LibSQL)
Tools & Platforms: Git, GitHub Actions, Vercel, Netlify, Puppeteer, Pandas, Docker (familiar)
Auth & Security: OAuth 2.0 (Google/GitHub), NextAuth v5, JWT, Zod validation

EXPERIENCE

Full-Stack Software Developer | Affiliate Motion (Remote)   *Jul 2025 – Present*

- Directed frontend development in a type-safe full-stack environment using TypeScript, tRPC, and Drizzle ORM, reducing runtime errors by 50%.
- Built a modular UI component library with Tailwind CSS and MUI, accelerating frontend development workflow by 70%.
- Engineered a scalable web scraping engine with Puppeteer collecting data from 50+ sources daily, eliminating ~20 hours of manual research per week and increasing lead generation by 25%.

Co-Owner & Full-Stack Developer | Bikeztube (London)   *2014 – 2025*

Co-ran an independent bicycle repair and retail business for 11 years, then designed and built the company's entire technology stack from scratch before exiting to pursue software development full-time.

- Reduced customer check-in time by 80% (5 min → 30 sec) via digital job cards, service tracking, quoting, and invoicing, built on Next.js 15, TypeScript, tRPC, Prisma, and Turso DB.
- Integrated the Wix Bookings API to automate appointment flow, eliminating manual data entry and saving ~20 hours per week in operational overhead.
- Implemented GitHub-triggered CI/CD via Vercel with zero-downtime deployments.

PROJECTS

Wine Inventory & Sales System
Full-stack app with real-time inventory tracking, interactive sales analytics (Recharts), OAuth 2.0 authentication, and an async PostgreSQL backend with automatic JWT refresh.
Stack: *React 19, TypeScript, FastAPI, PostgreSQL, SQLAlchemy, Tailwind CSS 4, OAuth 2.0*

Financial Data ETL Pipeline
Automated ETL system in Python 3.13 retrieving bond index data from email attachments, processing 40+ financial metrics, and bulk-loading to SQL Server. Multi-threaded ingestion (ThreadPoolExecutor) handles 500,000+ records with thread-safe logging.
Stack: *Python, Pandas, SQLAlchemy, SQL Server, Google API, concurrent.futures*

EDUCATION & CERTIFICATIONS

BSc Computer Science, Goldsmiths, University of London   *2025 – in progress (part-time, distance)*

Certifications: Google IT Support Professional Certificate · freeCodeCamp: JavaScript Algorithms & Data Structures; Front End Development Libraries