Tyler-Jay Ives

tylerjayives@proton.me | tylerives.co.uk | github.com/TylerJayIves | linkedin.com/in/tylerjayives
Milwaukee, WI · Authorized to work in the US, no sponsorship required

Software developer with a year of professional experience building features in TypeScript and Angular on SaaS platforms, and a First Class Honours degree in Computer Science. Recently designed and shipped a full-stack Next.js app with automated tests and CI. Comfortable on both sides of a product, from writing the code to supporting the customers who use it.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL, Java (basic)
Frameworks & libraries: Angular, React, Next.js, Django, Tailwind CSS, Pandas, NumPy
Data & backend: PostgreSQL, Supabase, REST APIs
Testing & tooling: Vitest, Postman, Docker, Git/GitHub, GitHub Actions (CI), Vercel
Ways of working: Jira, Agile (stand-ups, planning, retros), Freshdesk, technical writing, AI coding tools (Claude Code)

WORK HISTORY

Relocation to the US 11/2024 – present
Moved from England to Milwaukee and completed the US work authorization process. During this time I designed, built and tested The Duplex (see Projects), and worked on renovating our inherited home.

Smarter Technologies – Software Developer | Hybrid, Newport, Wales 09/2023 – 10/2024

- Built new features and fixed bugs across the front end (TypeScript, Angular) and back end (Java, with REST APIs built and tested in Postman) of two SaaS platforms serving 60+ client organisations, including the UK Ministry of Defence, the Royal Navy and Glyndebourne Opera House.
- Delivered features based on what clients needed at the time, working in a small Agile team with daily stand-ups, sprint planning and retrospectives, and work tracked in Jira.
- Set up Freshdesk as the company's help desk and handled 10–15 support tickets a day on support rotations, through tickets, web chat and video calls, often tracing issues to the code and fixing the underlying bugs myself.
- Wrote technical guides for other developers and for end users alongside feature releases.

PROJECTS

The Duplex – Renovation & Rental Tracker 2026
Next.js, React, TypeScript, Supabase (Postgres), Vitest, GitHub Actions
Live demo: duplex-tracker-demo.vercel.app | Code: github.com/TylerJayIves/duplex-tracker

- Designed and built a full-stack web app that my wife and I use day to day to run our duplex renovation: projects, checklists, costs against budgets, contractor quotes, and a dashboard that flags what needs attention.
- Put all data access behind one interface with two implementations (in-memory and Supabase), which let me ship a no-login public demo by changing a single line.
- Wrote unit tests for money handling, time zones and the dashboard rules, and set up GitHub Actions to run them on every pull request.
- While writing tests, found and fixed an open-redirect bypass in the login flow, replacing string checks with proper URL validation.

EARLIER EXPERIENCE

LG Electronics – Brand Ambassador | Bristol, England 09/2021 – 06/2023
Trained Currys and John Lewis staff on new products and explained them to customers, while completing my degree.

Samsung Electronics – In-Store Development Executive | Bristol, England 10/2019 – 09/2021
Drove appliance sales and ran peak-season campaigns across retail partners; kept staff up to date on products.

Arrow Electronics – IT Technician | Braintree, England 05/2018 – 08/2019
Diagnosed and repaired hardware and software faults across desktops, laptops, printers and servers; occasional on-site client support.

EDUCATION

BSc Computer Science – University of the West of England 09/2019 – 09/2023
First Class Honours (US equivalent ~3.7+ GPA)

- Elective modules in machine learning and AI: built classification, predictive and time-series models, and integrated them into working software.
- Built a simulated warehouse management system that forecast item demand from real store data, using SQL, Python, Pandas and NumPy.
- Led the final-year group project, a Django cinema booking system, supporting teammates and keeping it on track.