

Tyler S. Campbell

Senior Full Stack Software Engineer | (440) 364-9817 | tcampbell3683@gmail.com

Wadsworth, OH | *GitHub:* [t36campbell](#) | *LinkedIn:* [t36campbell](#) | *Portfolio:* [tylercampbell.space](#)

Senior Full Stack Software Engineer with an M.Sc. in Computer Science and a decade of experience crafting highly performant TypeScript, Python, and Rust applications. Expertise in collaborating with cross-functional teams at Fortune 500 companies and startups to transform ideas into successful products. Consistently enhancing operational efficiencies, leading to significant cost reductions, and driving business value while maintaining a strong focus on user experience and customer satisfaction. With a firm commitment to continuous learning and innovation to ensure alignment with industry trends while delivering exceptional results that address business goals and technical challenges.

EXPERIENCE

Upwork

Aug 2024 – Present

Senior Full Stack Software Engineer

Medina, OH (Remote)

Freelance e-commerce specialist collaborating on multiple projects with startups & small businesses to develop Stripe & Shopify integrations, working directly with CEOs and Founders to make feature concepts a reality

Tech Stack: TypeScript, Rust, Node.js, Next.js, React, TailwindCSS, GraphQL, PostgreSQL, Redis, Docker, Kubernetes

- Enabled aspiring musicians to collect monetary support from their followers on a growing crowdfunding platform using Stripe Connect, the same payment solution that powers DoorDash, Instacart, and Shopify
- Implemented a usage-based tiered subscription model for an innovative authentication startup using Stripe
- Designed a Next.js frontend for a headless Shopify store, empowering a small business to reach a broader audience

Tufin

May 2022 – Sept 2024

Senior Full Stack Software Engineer

Fairlawn, OH (Hybrid)

Creator of tailor-made extensions to a network security SaaS application for Apple, IBM, Pfizer, USPS, Verizon, and Volkswagen, providing best-in-class network security automation to over half of the Fortune 50

Tech Stack: TypeScript, Python, React, Node.js, FastAPI, GraphQL, MongoDB, PostgreSQL, Redis

- Authored a customizable distributed application template that employs a multi-threaded task queue, cutting the development time of compliance auditing solutions in half, raising project earnings by \$25k+, \$150K+ annually
- Promoted an open-source ecosystem that fosters customer autonomy as the technical lead of multiple SDKs enacting standards & authoring vital features, reducing annual development costs for our customers by \$120K+
- Automated the generation of SDK code for 3 APIs, translating in a \$90K+ annual cost reduction, adding support for multiple languages, improving documentation, and reducing the team's overall workload
- Standardized customer support troubleshooting by automating nine common workflows with Ansible, increasing customer satisfaction by 10% & increasing team productivity, resulting in a \$45k+ decrease in annual labor costs
- Developed a backend API to automate the import of 10k+ Cisco firewalls and switches, saving \$90k+ per year
- Exponentially improved runtime efficiency of 20 customer projects during the conversion to a micro-service architecture, increasing system responsiveness and reducing ecological impact and costs by \$3k+ per year

McSteen Land Surveyors**Jan 2021 – May 2022**

Full Stack Software Engineer

Wickliffe, OH (Hybrid)

Architect who led the design of an order processing frontend built for land surveyors serving multiple states for 50+ years

Tech Stack: TypeScript, Python, Angular, Node.js, Django, PostgreSQL, Redis

- Executed a complete frontend redesign in under six months, using Angular to provide a superior user experience
- Developed a backend system that dynamically generates 3K+ invoices annually, avoiding \$1.2k+ in yearly fees
- Reduced monthly production costs by \$1K+ & improved user experience by implementing Google's static maps

Central Ohio Transit Authority**Oct 2019 – May 2020**

Information Technology Intern

Columbus, OH (Hybrid)

Aided software development, system, network, & database admins to facilitate 20M rides to greater Columbus

Tech Stack: TypeScript, Python, React, Node.js, PostgreSQL

- Orchestrated installation of 36 multi-media devices to increase awareness of company news and activities
- Facilitated the removal of 400+ Windows 7 workstations through hardware & software upgrades to Windows 10
- Provided technical support to 500+ employees, such as setting up remote network access during COVID lockdown

United States Air Force**Oct 2014 – Sept 2018**

Avionics Technician

Ramstein-Miesenbach, Germany

Radar, radio, navigation, and defensive countermeasure systems maintainer on the C-130J Super Hercules.

- Subject Matter Expert tasked with supervising maintenance on twelve \$70M+ aircraft, supporting the 86th Airlift Wing in the execution of airlift, airdrop, and aeromedical evacuation throughout The Global War on Terror.
- Utilized system knowledge to troubleshoot and repair faulty equipment to ensure the safety of all passengers

EDUCATION

Franklin University**Aug 2024**

Master of Science in Computer Science

Columbus, OH

Capella University**Oct 2020**

B.Sc. Bachelor of Science in Information Technology

Columbus, OH

SKILLS & QUALIFICATIONS

Languages:	TypeScript / JavaScript, Python, Rust, Go, Java, HTML, CSS, GraphQL, MQL, SQL
Frontend:	React, Next.js, Angular, Svelte, TailwindCSS, Sass/SCSS, Gatsby, Vue, SPA, SSR/CSR/SSG, UI/UX
Backend:	Express, Node.js, Nest, Prisma, Rocket, Axum, Actix, FastAPI, Django, Flask, TensorFlow, PyTorch
Database:	PostgreSQL, Redis, MongoDB, Neo4j, RDBMS, NoSQL, Key-Value, Graph, Vector, In-Memory
DevOps:	Docker, Kubernetes, Ansible, Terraform, Container Orchestration, CI/CD, IaC, Automation
Technical:	Git, Linux, V.S. Code, Copilot, Cursor, Continue, LLMs, Machine Learning, Generative AI, TDD
Services:	AWS, Azure, Cloudflare, Firebase, GitHub, GitLab, Google Cloud Platform (GCP), Heroku, Jira

PROJECTS

Bleeding Edge: A headless Shopify store with a Next.js frontend utilizing Server Side Rendering, styled with TailwindCSS**Toretsu:** A novel task queue implemented in Rust, with the ability to store & process billions of nodes in seconds