Alan Campbell

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Summary

Software Developer with extensive experience in full-stack development, cloud infrastructure, and software architecture. Passionate about building scalable web applications, optimizing workflows, and leading development teams. Strong background in JavaScript, TypeScript, Python, React, Node.js, and Docker. Proven ability to deliver high-impact solutions in startup and corporate environments.

Experience

Personal Software Development & Home Remodeler

TurnWrk.com | Coast2CoastRemodels.com

Tampa, FL – March 2023 - Present

Developed software solutions for handyman businesses while managing Airbnb properties and working in residential remodeling.

- Designed and developed a ChatGPT-based work order estimator to streamline project bidding for trade professionals.
- Built a web scraping tool for AI-driven competitor research, enabling market analysis automation.
- Lead a 3 person handyman crew on 50+ rental renovations. Lead the cleanout and reconstruction of three homes post Hurricane Helene and Milton.

Technologies: Python, TypeScript, Next.js, Tailwind, Supabase, React, Docker, Proxmox

Lead Developer & Cofounder – CovidBuddy

Remote (Singapore) – Mid 2020 - Feb 2023

- Led development of a COVID test validation system for Singapore NHS, processing 300,000+ test records.
- Built secure record keeping and data auditing features to comply with medical regulations.
- Integrated real-time Firebase updates to ensure seamless test result processing.

Technologies: Angular, Python, Node.js, TypeScript, Firebase, Docker

Interim CTO – Skipiit (Blackbook International LLC)

Washington, DC – 2017-2019

- Designed and deployed a scalable Point of Sales system for mobile ordering and payment.
- Managed a team of developers and handled production environment deployments.
- Lead development and design of 2 hybrid mobile applications, 1 web application, and API.

Technologies: Angular, Node.js, TypeScript, MongoDB, Docker, Ionic

Software Consultant & Cofounder – Castaway Labs, LLC

Tampa, FL – 2016-2022

Provided full-stack development and consulting for startups and B2B clients.

- Led B2B software development from concept to production.
- Developed microservices and monolithic applications based on client needs.
- Collaborated with startup founders and users to refine product ideas and improve user adoption.

Notable Projects:

- iSubz, In That Order, Standby Technologies (Remote, Aug 2019 - Feb 2021) – Web and mobile development for early-stage startups.
- InCruises, LLC (Miami, 2016-2017) – DevOps & web development for a subscription-based travel company.
- Company Man Studios (Tampa, 2016-2019) – Web development for digital media projects.

Technologies: Angular, Node.js, MongoDB, Docker, Ionic, Proxmox

Senior Interactive Developer – Publicis Sapient *(Contracted via Robert Half)*

2015-2017

Developed interactive digital experiences for global brands.

- Provided support for implementing Angular for a new booking system for Carnival Cruise Lines.
- Developed custom Twitter bots for Grey Goose Vodka's marketing campaigns.
- Created a customer support chatbot for Universal Studios Florida.
- Deployed interactive touchscreen applications for Ritz Carlton Residences.

Technologies: Angular, Node.js, MongoDB, MySQL, AWS EC2, Docker

Technical Skills

- Programming Languages: JavaScript (ES6+), TypeScript, Python, Node.js, PHP, Java
- Frontend: React, React Native, Angular, HTML, CSS, Next.js, Tailwind CSS
- Backend & Databases: Node.js, Express, Firebase, Supabase, MongoDB, PostgreSQL
- DevOps & Infrastructure: Docker, Kubernetes, Bare Metal Hosting, Proxmox, AWS EC2

Personal Projects

- AI-Driven Web Scraper for Competitive Research – Built a tool to automate business intelligence for startup competitors.
- ChatGPT-Based Work Order Estimator – Developed a chatbot application for trade workers to generate accurate job estimates