

Zachary Sturman

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Skills

Programming Languages: Python, Rust, Ruby, TypeScript, JavaScript, Swift, C#, Objective-C

Frontend, UI & UX Development: Next.js, React, React Native, Redux, Tailwind, Figma, Sketch, Adobe Illustrator, Photoshop

API & Backend Development: RESTful APIs, FastAPI, Flask, MySQL, PostgreSQL, MongoDB, GraphQL, Node.js, Express, Deno, Tauri

Testing & Analytics: Jest, Pytest, Cypress, React Testing Library, Postman, Lighthouse, Puppeteer, Google Analytics, Storybook

Cloud, DevOps & Other Tools: AWS (EC2, S3, Lambda), Firebase, Docker, CI/CD, Git, GitHub Actions, GitHub Workflows, Redis, Jenkins

Founding Software Engineer

SAM

Remote

November 2024 - Present

- Leading the development and launch of Sam, a platform supporting women navigating complex life events.
- Responsible for full-stack development, utilizing Next.js and React for frontend, and Node.js for API endpoints establishing the platform's core functionality
- Collaborating with the founder on UX processes to align the product with Sam's mission and vision
- Integrating third-party tools such as Twilio (communications), Stripe (payments), and Zoom (virtual meetings) providing a seamless user experience and utilizing AWS for cloud infrastructure to ensure scalability and security
- Managing continuous improvements and feature iterations based on user feedback and company needs

Full Stack Software Engineer

Lost & Hound

University of Melbourne, Australia

February 2024 - October 2024

- Developed Lost and Hound, a React Native-based mobile app to help locate lost pets, utilizing a Computer Vision model to compare spotted animals with photos of users' lost pets
- Provided consulting on frontend development for mobile and web applications
- Delivered technical training empowering non-profit teams to independently manage their web apps
- Optimized load times by restructuring hierarchies and improving data fetching patterns in React and Next.js

Web Engineer

theKnifeGrinder

Anchorage, Alaska

August 2019 - November 2023

- Led digital strategy, enhancing online visibility through advanced SEO techniques
- Redesigned the website to improve UX, contributing to increased engagement and successful business sale
- Developed and deployed Python-based RESTful APIs for streamlined backend services

Business Intelligence Engineer

Ameristar Casino

Denver, Colorado

April 2017 - November 2019

- Built a React-based dashboard featuring complex data visualizations with D3.js, employing Python for data analysis with Pandas, NumPy, and Matplotlib to create comprehensive interactive insights

Education

- Bachelor of Science in Media Communication - Full Sail University (2014)
- Google Certified Data Analyst (2022)
- AWS Certified Cloud Practitioner (2023)