

Zachary Sturman

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Skills

Programming Languages & Frameworks: Python, Celery, Flask, FastAPI, TypeScript, JavaScript, Node.js, GraphQL, Rust, Swift, Express

UI Development: React, React Native, Expo, HTML5, CSS (SCSS, Tailwind), Redux, Context API, Blender (3D modeling and animation)

ML & Data Pipelines: Keras, PyTorch, scikit-learn, Pandas, NumPy, Matplotlib

API Development: RESTful APIs (FastAPI, Flask), Microservices Architecture, MySQL, PostgreSQL, MongoDB, Firebase, AWS S3

Cloud & DevOps: AWS (EC2, S3, Lambda, Data Lake), Docker, Kubernetes, Helm, Terraform, Jenkins, CI/CD pipelines

Other Tools: Git, Webpack, Babel, Redis, D3.js (data visualization), Tauri (desktop applications), Expo (mobile applications)

Full-stack Developer | Freelance & Volunteer Work

Australia (March 2024 - Present)

- Enhanced website accessibility, ensuring compliance with WCAG standards for various Australian non-profits.
 - Consulted for University of Melbourne startups, focusing on mobile applications, responsive design, and database integration.
 - Provided technical support and training for non-profit staff, enabling them to maintain and update their websites independently.
 - Optimized database queries and backend processes, reducing load times by 40% for key client applications.
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Full-stack Developer | Evo Sol

Kansas City, MO (October 2022 - March 2024)

- Led the development of AI-powered NLP applications created using React, Next.js and TypeScript components.
 - Engineered and deployed Python-based RESTful APIs using Flask, integrated with AWS services.
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Web Developer | The Knife Grinder

Anchorage, AK (November 2019 - October 2022)

- Developed a digital strategy to increase online visibility, employing advanced SEO techniques.
 - Overhauled the website's design, enhancing user experience, which contributed to the successful sale of the business.
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Business Intelligence Developer | Ameristar Casino

Denver, CO (April 2017 - November 2019)

- Developed a React-based dashboard with advanced data visualizations using D3.js, improving decision-making processes.
 - Utilized Python for data analysis, leveraging Pandas, NumPy, and Matplotlib for interactive visualizations.
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Education

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