

# Zachary Adam

## Full-Stack Developer & Researcher

San Antonio, Texas | [hi@thezacharyadam.com](mailto:hi@thezacharyadam.com) | +1 210 737 8060 | [thezacharyadam.com](https://thezacharyadam.com) | [github.com/zachary-adam](https://github.com/zachary-adam)

[linkedin.com/in/zachary-adam-3b1760299](https://linkedin.com/in/zachary-adam-3b1760299) | ORCID: 0009-0002-6044-1054

### SUMMARY

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Full-stack developer and independent researcher. Builds open-source tools in React/Next.js, Python/Django, and custom WordPress plugins, including a WordPress plugin published and live on the official WordPress.org directory. Publishes research on software engineering and open-source architecture.

### EXPERIENCE

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#### Research Assistant

August 2026 – Present

*University of the Incarnate Word*

#### Web Developer & Technical Support Specialist

July 2023 – August 2026

*Fearless Fixing LLC*

- Worked directly with the founder and co-founder providing ongoing technical support for existing clients.
- Built and maintained a local web application used internally to manage loans, taxes, rent, and insurance.
- Diagnosed and resolved technical issues across client-facing systems and internal tooling.

#### WordPress Developer & Client Manager

2022 – 2023

*Aethex Web Solutions*

- Managed client relationships and project requirements for a small WordPress development business.
- Delivered custom WordPress websites and development projects from planning through launch.

#### Freelance Web Developer

2021 – 2022

*Freelance*

- Delivered web development projects for a range of freelance clients over one year.

### PROJECTS

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**ARGUS:** Map-first geopolitical intelligence platform for tracking events, grading source reliability, and producing sourced briefs. Open source. (React, Next.js, Python)

**WJM (Wisdom Journal Manager):** WordPress plugin for scholarly journals covering submissions, peer review, ORCID, and DOI registration. Published on the WordPress.org plugin directory. (PHP, WordPress)

**Shama Writer:** Local-first research writing application: source management, argument mapping, citations, and in-browser Typst PDF compilation. (React, WebAssembly)

**FrameScope:** Web application that scores user-generated text for ideological bias using a multi-model ensemble. Open source. (React, Python)

### SKILLS

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**Languages & Frameworks:** JavaScript, TypeScript, React, Next.js, Python, Django, PHP

**WordPress:** Custom plugin development, theme development, WordPress.org plugin submission and review process

**Backend & Data:** Node.js, Supabase, REST APIs, SQL

**Tools & Practices:** Git, GitHub, technical support and troubleshooting, client management

### EDUCATION

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#### M.S., Computer Information Systems

Davie, Florida

*Nova Southeastern University*

### PUBLICATIONS

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- AI-Assisted Development and the Reshaping of Junior Developer Roles — April 2026 [SSRN]
- The State of Remote Software Engineering, 2020–2026 — April 2026 [SSRN]
- WJM: A Modular WordPress Architecture for Scalable Academic Publishing Infrastructure — April 2026 [SSRN]