

# Zach Ault

## Software Engineer

### Contact

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Email: \*\*\*\*\*

Address: Columbus Metro, OH

LinkedIn: [www.linkedin.com/in/zachault/](https://www.linkedin.com/in/zachault/)

GitHub: <https://github.com/Jugernaut73>

Portfolio: <https://zach-ault-portfolio.vercel.app>

### Technical Skills

**Languages:** Python, Java, React, TypeScript, SQL

**Frameworks/Tools:** WSL/Linux, VSCode, Next.js, Android Studio, Git, MySQL, NoSQL

**Concepts:** Object-Oriented Programming, Agile Development, Unit Testing, Full-Stack Development, Back-End Development, Front-End Development

### Education

**Bachelor of Science, Software Engineering**

**Western Governors University**

Apr 2025

#### **Relevant Coursework:**

- Front-End Web Development
- Back-End Programming
- Advanced Data Management
- Advanced Java
- Software Security and Testing
- Software Design and Quality Assurance
- Software Engineering
- Mobile Application Development(Android)

### Certifications

- IBM Python for Machine Learning Jun 2025
- IBM Python 101 for Data Science Jun 2025
- IBM Explore Emerging Tech - Jun 2025
- IBM AI Fundamentals - Jun 2025
- ITIL 4 Foundation - Dec 2024
- CompTIA Project+ - Dec 2024
- AWS Certified Cloud Practitioner - Mar 2024
- Google IT Support Professional - Feb 2023

### Languages

**English (Native)**

**ASL (3 Years)**

**Japanese (Basic)**

### Profile

I am a recent software engineering graduate with a focus on full-stack development and AI/ML. My core experience is in Java and Python, and I enjoy learning new technologies to expand my skill set. I have worked most with Next.js and Spring Boot and have a strong interest in building projects involving AI and machine learning. I am open to relocation and travel and am actively seeking a software engineering role where I can grow as part of a collaborative team.

### Work Experience

#### **Software Engineer Intern**

Kozmoz International - Kyoto, Japan

Aug 2024 - Oct 2024

- Designed and delivered engaging Python and coding lessons for Japanese children in both classroom and private settings, tailored to varying English proficiency levels.
- Developed interactive learning materials and projects that incorporated visual and practical elements to support non-native English speakers in grasping programming concepts.
- Adapted teaching strategies to accommodate different learning styles, language barriers, and age groups, resulting in enhanced student engagement and comprehension.
- Collaborated with educators to create a curriculum that integrates coding and technology education for Japanese learners with limited English proficiency.

#### **Software Engineer Intern**

Battle Road Digital

Feb 2024 - May 2024

- Developed and debugged Python code segments under mentorship, contributing to the enhancement and maintenance of the Atom Engine.
- Worked on both front-end and back-end development, ensuring seamless integration between UI and back-end systems.
- Collaborated closely with designers to translate UI/UX designs into functional features, ensuring alignment with the intended vision.
- Frequently sought feedback from mentors and experienced developers to improve code quality and deepen technical knowledge.
- Engaged in agile development methodologies, participating in sprint planning, code reviews, and testing to maintain software quality and meet project deadlines.

### Projects

See more at [github.com/Jugernaut73](https://github.com/Jugernaut73)

#### **Full-Stack - YC Directory - Next.js, React, TypeScript**

A full-stack web app that uses Next.js to serve both the front-end and back-end. Uses React with TypeScript for building UI components, styled with Tailwind CSS. Uses Next.js API routes to handle server-side logic and fetch content from Sanity, the CMS and content database. Integrated with Sentry to monitor errors for easier maintenance.

#### **Mobile Application - Vacation Planner - Android Studio, Java**

An Android app that allows users to add/edit/remove vacations and excursions, and notifies the user on the specified dates. Uses a Room Framework as an abstraction layer over the local SQLite database to store data.