

# Kyle White

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## Professional Summary

Software Developer with hands-on experience in full-stack development, REST API design, and scalable AWS deployments. Skilled in DevOps practices, CI/CD pipelines, and delivering production-ready, maintainable code in collaborative, Agile teams.

## Experience

### Kroger Technology

*Locations/Geospatial Software Developer Intern*

Blue Ash, OH

May-August 2025

- Increased unit test coverage from 60% to over 90% across 6 repositories, improving release confidence.
- Implemented CI/CD pipelines with coverage gates in GitHub Actions to enforce 90% coverage and prevent regressions.
- Validated REST APIs using Postman; updated Helm charts, deployed to AWS via Kubernetes, and performed code reviews.
- Participated in Scrum ceremonies and Agile development practices (daily stand-ups, sprint planning, retrospectives).

### Cincinnati Insurance Companies

*IT Infrastructure Developer Intern*

Fairfield, OH

May–August 2024, January-May 2025, September-December 2025

- Built automation scripts in Python, PowerShell, and C# to migrate off BMC TrueSight after a 700% price increase.
- Engineered ETL pipelines to ingest and standardize events/metrics from Nagios, Dynatrace, and Splunk into a unified schema, integrating with REST APIs to populate the replacement platform.
- Debugged and optimized SQL queries using SQL Server Management Studio to improve monitoring data accuracy.
- Performed software maintenance and debugging on the in-house monitoring/alerting platform to improve user experience.

### Ohio State University

*Teaching Assistant, Discrete Structures*

Columbus, OH

August-December 2024, August-December 2025

- Led weekly office hours for 30+ students, clarifying algorithm analysis, recursion, and proof techniques.

### Siemens Digital Industries Software

*Software Developer Intern*

Milford, OH

June-August 2022, June-August 2023

- Built app for tracking intern progress and reviews, used by 70+ interns each rotation.
- Optimized performance, implemented features, and fixed bugs for Siemens intern social media app (100+ users).

## Education

**The Ohio State University**, B.S. Computer Science and Engineering

Aug 2022 – May 2026

**GPA: 3.8** — *Dean's List All Semesters*

## Projects

**AI Game Recommender** — React, Node.js/Express, JavaScript, MongoDB, AWS

*Live Site:* [game.kyle-white.com](http://game.kyle-white.com)

- Developed and deployed a full-stack app that retrieves data from users' Steam libraries via the Steam API and generates personalized game recommendations with OpenAI; hosted on AWS EC2 with an Nginx reverse proxy for reliable delivery.

**Pickleball Analysis Web App** — React, Vite TypeScript, AWS

*Live Site:* [pickle.kyle-white.com](http://pickle.kyle-white.com)

- Displays league analytics (streaks, point differential, standings); Cognito auth; API Gateway + Lambda + DynamoDB.

**OSU Degree Audit Parser** — React, Vite, Node.js, JavaScript, AWS

*Live Site:* [degreeauditparse.kyle-white.com](http://degreeauditparse.kyle-white.com)

- Built during OSU Hackathon to parse degree audits; OSU course search API for course data; interactive progress UI.

**Portfolio Website** — React, Vite, TypeScript, Tailwind, AWS

*Live Site:* [kyle-white.com](http://kyle-white.com)

- Deployed to S3/CloudFront; automated CI/CD (build, upload, CloudFront invalidation) using GitHub Actions.

**Legend of Zelda Recreation** — C#, MonoGame

- Collaborated on a 6-person Agile development team to recreate the first dungeon; added a custom game mode and boss.

## Technical Skills

**Languages:** Java, JavaScript, TypeScript, Python, C#, C/C++, Go

**Frameworks:** React, Node.js/Express, Tailwind, Vite, MonoGame

**DevOps:** Git, GitHub, GitHub Actions, Docker, Linux/Bash, Kubernetes

**Cloud:** AWS (Amplify, Cognito, Lambda, API Gateway, S3, CloudFront, Route 53, EC2/Nginx)

**Databases:** PostgreSQL, MongoDB, DynamoDB, SQL Server Management Studio

**Software Testing:** JUnit, Go test/testify, CI/CD coverage gates