Kyle White

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Experience

Cincinnati Insurance Companies   Fairfield, OH
Software Developer Intern   May – August 2024, January – May 2025, September 2025 – Present
- Improved backend data retrieval through optimized SQL queries and enhanced frontend data visualization UI within the internal monitoring and incident alert platform, improving accuracy, system performance, and clarity of displayed metrics.
- 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 internal monitoring replacement platform.
- Built automation scripts in Python, PowerShell, and C# to migrate off BMC TrueSight after a 700% price increase.

Kroger Technology   Blue Ash, OH
Software Developer Intern   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, and deployed microservices via Kubernetes.
- Participated in Agile development ceremonies (stand-ups, sprint planning, retrospectives) and contributed to code reviews.

Ohio State University   Columbus, OH
Teaching Assistant, Discrete Structures   August – December 2024, August 2025 – Present
- Led weekly office hours for 30+ students, clarifying algorithm analysis, recursion, and proof techniques.

Siemens Digital Industries Software   Milford, OH
Software Developer Intern   June – August 2022, June – August 2023
- Developed an 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 – Expected May 2026
GPA: 3.8 — Dean's List All Semesters

Projects

Lifeguard Rotation Manager — React, TypeScript, Node.js, AWS   *Live Site:* hilliardguardmanager.com
- Developed and deployed a full-stack web app for the Hilliard Family Aquatic Center to manage rotations, breaks, and queues for over 50 lifeguards, with dynamic scheduling logic involving randomized guard assignments and age restrictions.
- Designed AWS architecture using API Gateway, Lambda, DynamoDB, S3, and CloudFront with CI/CD via GitHub Actions.

AI Game Recommender — React, Node.js/Express, JavaScript, MongoDB, AWS   *Live Site:* game.kyle-white.com
- Built web app to generate personalized game recommendations using OpenAI, hosted on EC2 with Nginx reverse proxy.
- Integrated the Steam API to retrieve game library and hours played from users' Steam accounts to power recommendations.

Pickleball Analytics Dashboard — React, Vite TypeScript, AWS   *Live Site:* pickle.kyle-white.com
- Engineered a full-stack web app for tracking league matches and generating analytics (streaks, point differential, standings).
- Implemented secure Cognito authentication and serverless backend (API Gateway, Lambda, and DynamoDB).

OSU Degree Progress Tracker — React, Vite, Node.js, JavaScript, AWS   *Live Site:* degreeauditparse.kyle-white.com
- Built during OSU Hackathon to parse degree audits, using OSU course search API for course data; interactive progress UI.

Portfolio Website — React, TypeScript, Tailwind CSS, AWS   *Live Site:* kyle-white.com
- Developed a personal portfolio website with advanced SEO, serving as a central domain hosting multiple live applications.

Skills

Languages: Java, JavaScript, TypeScript, Python, C#, C/C++, Go, CSS, HTML
Frameworks: React, Node.js/Express, Tailwind, Vite, MonoGame
DevOps: Git, GitHub, GitHub Actions, Docker, Linux, Kubernetes
Cloud: AWS (Amplify, Cognito, Lambda, API Gateway, S3, CloudFront, Route 53, EC2/Nginx)
Databases: DynamoDB, MySQL, SQL Server/SSMS, MongoDB, PostgreSQL
Software Testing: JUnit, Go test/testify, CI/CD coverage gates