

ISAIAH GHANSAM

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EDUCATION

University Of Maryland Baltimore County

Bachelor of Science in Computer Science

Aug 2022 – May 2026

Baltimore, MD

EXPERIENCE

Freelance Software Developer

NorthBound

Jan 2026 – Present

Remote

- Design advisor for software edits and facilitated implementation.
- Built portals, assignment, login, and database components for tutoring portal, adjusted to fit owner's needs.
- Made updates in a React + TypeScript + Tailwind setup and kept the code simple for the team to maintain.
- Met weekly with the stakeholder to review issues, confirm changes, and plan the next set of updates.

Software Engineer

Retriever Proposal Portal

Aug 2025 – Dec 2025

Baltimore, MD

- Built the main frontend experience for a portal connecting UMBC students with stakeholder-led project opportunities.
- Connected screens to backend APIs and added loading and error states for a smooth experience.
- Created reusable UI components and responsive layouts using React, Next.js, TypeScript, and Tailwind CSS.
- Created MVP write-up with scope, user stories, and a basic feature roadmap.
- Attended weekly in-person retrospective meetings and upheld communications with stakeholder through Microsoft Teams.

Engineering and Operations Intern

UMBC Observatory

Sep 2024 – Oct 2025

Baltimore, MD

- Operated a DFM telescope through data and control computers.
- Used Stellarium to explore and analyze celestial objects and better visualize the night sky.
- Helped troubleshoot equipment connectivity issues to improve operational efficiency.
- Collaborated in staff meetings to plan and execute work supporting both operations and software development.

PROJECTS

Threat Atlas | Next.js, React, TypeScript, Tailwind CSS, VirusTotal API

March 2026

- Built a malware reputation dashboard supporting 5 IOC scan types using React, TypeScript, and Tailwind CSS.
- Integrated VirusTotal REST APIs through Next.js API routes to scan URLs, domains, IPs, file hashes, and uploaded files.
- Improved threat review by displaying VirusTotal detection ratios and detailed results from 70+ security vendor engines and blocklists.

Parking Management System | PostgreSQL, Docker, pgAdmin, SQL

May 2026

- Designed a PostgreSQL parking database with 13 core tables.
- Supported end-to-end parking operations by implementing CRUD workflows.
- Strengthened data reliability and performance by enforcing constraints, indexing high use queries, and using transaction locking to prevent double booking.

CERTIFICATIONS

Intro to Cybersecurity (Honors)

Wireshark packet analysis, Linux fundamentals, Web/app security, Threat modeling

Spring 2025

CodePath

Intermediate Cybersecurity (Honors)

Splunk queries and dashboards, IOC correlation and threat hunting, IR playbooks, log analysis

Summer 2025

CodePath

Foundations of AI Engineering (Honors)

Prompt engineering, RAG, Guardrails, OOP system design, MermaidAI, GitHub collaboration

Spring 2026

CodePath

Introduction to Software Engineering

SWE principles, SDLC, SWE development tools and stacks, Software architecture and design

Spring 2026

IBM

TECHNICAL SKILLS

Languages: Python, C, C++, TypeScript, HTML, CSS, SQL

Frameworks/Libraries: React, Next.js, Tailwind CSS

Databases: Supabase, PostgreSQL

Tools & Platforms: Linux, Visual Studio Code, PuTTY, GitHub, Docker, pgAdmin, Wireshark, Splunk, Jira