

Ramez Elobeid

443-978-0858 | ramezelobeid@icloud.com | <https://relobeid.vercel.app/> | github.com/relobeid

EDUCATION

Salisbury University

Salisbury, MD

Bachelor of Science in Computer Science, Minor in Mathematics 3.9 GPA

December 2026 (Expected)

- *Relevant Coursework:* Object-Oriented Programming, Data Structures and Algorithms, Software Engineering, Database Implementation and Design, Theory of Computation, Systems Software, Operating Systems

TECHNICAL SKILLS

Languages: Python, Java, C++, C#, JavaScript/TypeScript, SQL, PHP, HTML/CSS

Frameworks/Libraries: React, Node.js, FastAPI, Django, Spring Boot, Flask, Next.js, Vue.js

Tools/Platforms: Git, Docker, AWS, Google Cloud, Azure, Supabase, Redis, PostgreSQL, MongoDB

Other Skills: DevOps, Unit & Integration Testing, Agile/Scrum

EXPERIENCE

Lab Assistant

Salisbury, MD

Salisbury University, Department of Computer Science

Feb. 2024 – Present

- Provided mentorship to **50+ students** in **C++** and **Java**, with hands-on debugging support and achieved a **100% satisfaction rating** across all student reviews
- Led **weekly office hours** on **DSA** and **OOP**, providing personalized **support** to students and helped to improve their understanding of core CS concepts

Undergraduate Research – Fullstack Developer

Salisbury, MD

Salisbury University

Jan. 2025 – Present

- Developed a real-time Shellfish pollution prediction system for clients from the **Portuguese Institute for Sea and Atmosphere**, integrating **100 GB+** of satellite and sensor data via the **Copernicus API**
- Designed and optimized the platform's **PostgreSQL database** with **40,000+ records** from **20+ monitoring sites**, and built the **FastAPI backend** to serve data to a dynamic frontend
- Built interactive visualizations in **React**, **Tailwind CSS**, and **Mapbox**, automating geospatial tracking and reducing researcher query time by **60%**
- Collaborated with **5+ oceanographic researchers and scientists** from **NOVA University Lisbon**, contributing data to the system, supporting a long-term environmental monitoring initiative
- Led a team of **4 developers** in **Agile sprints**, maintaining a **95% on-time delivery rate** across a 10-week development cycle

PROJECTS

Wuduh (Founder) | *JavaScript, Vite, OpenAI API, Chrome API, AWS Lambda, Supabase*

- Founded and built **Wuduh**, an AI-powered Chrome extension that breaks down language barriers by simplifying complex web content for **ESL students**, using OpenAI API
- Took ownership of the full extension stack, including Chrome APIs, automating backend logic with **AWS Lambda**, and a **Supabase** database designed for scalable user data handling
- Tested with **20+ ESL students**, collecting user feedback to guide accessibility and feature improvements
- Secured **\$13K in seed funding** by winning **1st place** out of **50+ teams** in entrepreneurship competitions, validating consumer need and technical feasibility

ShowSync | *Spring Boot, PostgreSQL, Redis, Docker, TMDb API, Open Library API*

- Created a **smart community platform** for media lovers that uses AI to form personalized book clubs and movie groups based on user preferences and viewing history
- Implemented **41 REST API endpoints**, **JWT authentication**, and role-based access across **7 relational tables** using **Spring Boot 3.2**
- Designed taste-matching and user preference tracking with **Redis caching** and **PostgreSQL analytics**, enabling automated group formation
- Integrated **3 external APIs** with reactive pipelines and rate limiting and being deployed with **Docker**, **CI/CD**, and **181 tests** using **Testcontainers**