Joseph Kimbrough

Independence, MO ▪ 816-825-1196 ▪ joseph.dkimbrough@gmail.com ▪ Portfolio

EDUCATION

University of Missouri - Kansas City
Bachelor of Science in Computer Science

Technical Experience

Languages: C++, Python, C#, Java, PostgreSQL, SQL, Javascript, HTML, Rust, and more.
Development Environments: MySQL, SQLServer, Eclipse, VS Code, Visual Studio, Git, VMware, React, Flask, .NET.
Experience In: Agile and SCRUM Software Design, Waterfall Methodology, JUnit Testing, Black Box and White Box Software Testing, Object Oriented Programming, SOLID Principles, Software Quality Assurance, JIRA.
Specialty Courses: Foundations of Software Engineering, Programming Languages: Design & Implementation, Operating Systems, Data Structures, Algorithms and Complexity, Database Management Systems, Software Security, Discrete Structures.

Work Experience

Aramark, Independence, MO
Systems Administrator Intern **May 2022 – January 2024**

- Managed and troubleshot Point of Sale (POS) systems across multiple platforms. Troubleshooting both on-site and off-site POS systems at high-profile locations such as the Kansas City Convention Center, Arrowhead Stadium, and Kauffman Stadium.

Technical Projects

Oracle of Delphi ***In-Progress***
A Predictive Machine Learning Model for UFC - Python, Docker, PostgreSQL, PgAdmin, Numpy, pandas, beautifulsoup4, scikit learn, xgboost

- Uses a Machine Learning Model based on 6000+ data entries, to analyze UFC fight cards to predict winners and losers. Currently at 58% accuracy proven through Backtesting.
- Allows specific predictions like win conditions, and fight time.

Simulated Banking System for Commerce Bank **2025**
Software Engineering Capstone - React, TypeScript, Tailwind CSS, C#, .NET Core Entity Framework, PostgreSQL, Docker, Swagger/OpenAPI, JWT

- Collaborated in a team of five using Agile methodology, participating in sprint planning, daily stand-ups, and retrospectives.
- Developed a full-stack finance management application using React for the frontend, .NET (C#) for the backend, and PostgreSQL for persistent data storage.
- Designed and delivered the application as part of a team assignment for Commerce Bank, focusing on real-world financial use cases and enterprise-level coding standards

Real-Time Threat Intelligence & Risk Management System **2025**
Intro to Cybersecurity – Python, React, PostgreSQL, Shodan API, HuggingFace, Flask

- Integrated Shodan API to collect live OSINT threat data (open ports, services) and stored it in a PostgreSQL database
- Built a React dashboard for real-time threat visualization; alerts triggered via email for high-risk threats. Designed and maintained a PostgreSQL database to store and organize live OSINT threat data.