

Alexander Kenney

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EDUCATION

UNIVERSITY OF MICHIGAN—DEARBORN
Bachelor of Science in Software Engineering

Dearborn, MI
April 2021

EXPERIENCE

MFGx, LLC
Solutions Engineer

Rochester Hills, MI
March 2022 — November 2022

- Collaborated with clients to deliver tailored solutions utilizing the Fuuz MFGx platform, resulting in a 30% increase in project efficiency.
- Developed and deployed advanced data source whitelisting features for the MFGx platform, utilized by 74% of the users of the Fuuz service.
- Engineered customized database schema, user interface, and workflows tailored to meet client requirements.
- Created comprehensive specification documentation for upcoming projects, and verified and updated existing project documentation to ensure accuracy and consistency.
- Performed routine maintenance and troubleshooting on deployed software products, ensuring 99.9% uptime and uninterrupted service for a large client base.
- Conducted client meetings to gather project specifications, provide progress updates, and showcase finalized MFGx solutions.

PROJECTS

ALGORITHM VISUALIZER | Python, Pygame

- Developed an algorithm visualizer application with Python that shows the sorting processes for the merge sort, quick sort, heap sort, insertion sort, and bubble sort algorithms
- Created a GUI that lets the user select an algorithm method and visually shows each step of the sorting process.

LEXICAL ANALYZER | C++

- Built a C++ program that lexically analyzes any C-program file to demonstrate the first phase of a compiler.
- The program removes all comments from the file and generates four tables based on the collected tokens.

CHAT CLIENT APPLICATION | Java, JavaFX

- Programmed a chat client program with Java so that users can communicate with each other on the server simultaneously.
- Designed and executed an intuitive graphical user interface for the chat window.

THINK PORTAL MOBILE | Flutter

- Developed a cross-platform mobile app using Flutter for Think Ad Group, enhancing service convenience by making the applications work as an extension of the company's website and expanding customer service accessibility by 35%.
- Designed and implemented the dashboard, and UI/UX for the mobile applications to meet the standards set in the specification stage.
- Led the testing and verification phase of the development process to ensure the team delivered bug-free application deployment.
- Added RestAPI implementation that allows the mobile applications to send campaign data to Think Ad Group's SQL server.

SKILLS

PROGRAMMING LANGUAGES | Java, C/C++, Python, Dart, JavaScript, SQL

TECHNOLOGIES & FRAMEWORKS | RestAPIs, Flutter, jQuery, Node.js, MongoDB, GraphQL, PyTest

DEVELOPMENT TOOLS | Git, Postman, Docker, UML, JIRA, Agile, Node-Red, Linux, CI/CD