Kareem Saygbe, Software Engineer

Boston, MA   (978) 305- 5958   https://Kareemsaygbe.dev

PROFILE

Passionate and driven software engineer with a strong interest in software design, mobile/web development, and a proven track record of taking initiative to advance within previous roles. Proficient in Python, I have successfully developed software for functional testing of an IV Pump and conducted unit testing for an MVC-based Kotlin application. Deeply interested in the React framework, I am actively involved in developing a TypeScript React Native application. Currently seeking to join a team to connect and collaborate with, while further expanding my expertise in Python and React.

EMPLOYMENT HISTORY

Jan 2023 — Present

Software QA Engineer, DEKA Research & Development
Manchester, NH

- Wrote unit tests using Mockk and JUnit4 for the fragments and view models of an MVC-styled Kotlin application responsible for monitoring and facilitating the connection to a diabetic pump.
- Collaborated closely with the development team to ensure the software's quality and reliability. Assisted test team members in comprehending the application's structure and provided support in implementing effective testing strategies.

Results: I successfully created comprehensive tests that covered every line of code within a fragment. Currently, the testing coverage stands at 80%, with my contributions accounting for 30% of the overall coverage.

Jul 2021 — Jan 2023

Junior Software Engineer, DEKA Research & Development
Manchester, NH

- Designed and implemented automated testing frameworks in Python to assess the functional performance of a QNX-embedded IV Pump system, utilizing PuTTY and WinSCP for secure server connectivity
- Optimized the testing process by creating a Python GUI application using Tkinter. The GUI allowed users to establish a connection to the device using its IP address and facilitated the execution of Python scripts for testing purposes.

Results: The implemented solution resulted in reducing the Functional Verification Test (FVT) time by three minutes. This enhanced productivity and allowed for more efficient testing cycles.

Apr 2020 — Jul 2021

Technical Support, COMPASS Boston
Boston, MA

- Facilitated successful software installation and modification for staff.
- Compiled detailed reports to document progress and share updates.

EDUCATION

Jan 2016 — Dec 2018

Associates, Northern Essex Community College
Haverhill, MA

Jan 2019 — Dec 2021

Bachelors, University of Massachusetts Lowell
Lowell, MA

SKILLS

Python	Experienced	MongoDB	Experienced
JavaScript	Experienced	Express	Skillful
React	Experienced	Docker	Skillful
Git	Experienced	**AWS**	Skillful

PROJECTS

Nov 2022 — Present

Collections

An Image Sharing Social Network Application

(React Native, Google Firebase, Tailwind, Node JS)

- Developed a robust mobile application using Typescript React Native for image sharing and social networking functionalities.
- Implemented Google Firebase for the backend, including user authentication, real-time database, and cloud storage. Utilized Tailwind CSS for the frontend to create a responsive and decorative UI.

Aug 2023 — Present

Urban.ai (MERN Stack)

https://urbanai.info

An AI chatbot that responds to queries and conversations using urban slang

(React, Typescript, Express, MongoDB, Google Cloud, Firebase)

- Developed an innovative chatbot, "Urban.ai," utilizing ChatGPT-4 to power AI-driven conversations, incorporating urban slang and terminology.
- Built a fast and responsive user interface using React and TypeScript, ensuring improved type safety and development experience.
- Implemented user authorization and authentication with Firebase, enhancing the chatbot's security and user management capabilities.
- Utilized Google Cloud Container Registry for continuous deployment, ensuring a scalable, secure, and dependable web hosting solution.
- Developed a robust Express backend with MongoDB and MongoDB Atlas for storing and managing user conversations and data.