

Kareem Saygbe, Software Engineer

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LINKS

[Portfolio](#), [LinkedIn](#), [Github](#)

EMPLOYMENT HISTORY

Jan 2023 — Present	Software QA Engineer, DEKA Research & Development Manchester, NH <ul style="list-style-type: none">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 remodulin 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. <p>Outcome: 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.</p>
Jul 2021 — Jan 2023	Junior Software Engineer, DEKA Research & Development Manchester, NH <ul style="list-style-type: none">Engineered Python code for conducting functional testing on the battery component of a QNX embedded system, employing tools such as PuTTY and WinSCP for server connectivity.Enhanced testing efficiency by creating a Python GUI application using Tkinter, streamlining the process. This user-friendly GUI enabled easy device connection via its IP address and simplified the execution of Python scripts for testing. <p>Outcome: The integration of this solution successfully reduced Functional Verification Test (FVT) time by three minutes, significantly elevating productivity and optimizing testing cycles.</p>
Apr 2020 — Jul 2021	Technical Support, COMPASS Boston Boston, MA <ul style="list-style-type: none">Facilitated successful software installation and modification for staff.Compiled detailed reports to document progress and share updates.

EDUCATION

Jan 2015 — Dec 2018	Associates, Northern Essex Community College Haverhill, MA
Jan 2019 — Dec 2021	Bachelors, University of Massachusetts Lowell Lowell, MA

SKILLS

Python	MongoDB
NodeJS	Typescript
React	AWS
Git	Docker
Express	Google Cloud

PROJECTS

Nov 2022 — Present	Collections Media Sharing Social Network Application (React Native, Google Firebase, Tailwind) <ul style="list-style-type: none">Developed a robust mobile application using Typescript React Native for media 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 An AI chatbot that responds to queries and conversations using urban slang. (React, Typescript, Express, MongoDB, Google Cloud, Firebase) https://urbanai.info

- 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.

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. My current interest is in the React framework, where I am actively engaged in developing a media sharing TypeScript React Native application. I'm also actively working on building my AI chatbot using a MERN stack. I am now eager to join a team to connect and collaborate, while further expanding my expertise in Python and React.