

KAREEM SAYGBE

SOFTWARE ENGINEER

DETAILS

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LINKS

[LinkedIn](#)

[Github](#)

[Portfolio](#)

SKILLS

MongoDB

Node.js

React

Git

MySQL

JavaScript

Python

Jira

AWS

Docker

Linux

Bash

PROFILE

Passionate and driven software engineer with expertise in Python and web development. Proven track record of successful software testing and development. Actively engaged in building innovative applications and expanding expertise in React. Eager to contribute skills and collaborate with a dynamic team.

EMPLOYMENT HISTORY

Software QA Engineer, DEKA Research & Development

Manchester, NH

Jan 2023 — Present

- Developed robust unit and automated tests utilizing Mockk, Robolectric and JUnit4 for fragments and view models within an MVC-styled Kotlin application, ensuring coverage for the connectivity between a Remodulin medical device and the Android application interface.
- Collaborated closely with the development team to enhance software quality and reliability.

Outcome: Achieved an impressive testing coverage of 98%, with my personal contributions accounting for 45%.

Junior Software Engineer, DEKA Research & Development

Manchester, NH

Jul 2021 — Jan 2023

- 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 multiple device connection via its IP address and simplified the execution of Python scripts for testing.

Outcome: The integration of this solution successfully reduced Functional Verification Test (FVT) time by three minutes, significantly elevating productivity and optimizing testing cycles.

EDUCATION

Associates, Northern Essex Community College

Haverhill, MA

Jan 2015 — Dec 2018

Bachelors, University of Massachusetts Lowell

Lowell, MA

Jan 2019 — Dec 2021

PROJECTS

Collections

Multimedia Sharing Social Network Application

(React Native, Google Firebase, Tailwind)

- 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.

Urban AI

AI chatbot (MERN stack)

- Developed an innovative chatbot using ChatGPT-4 to power AI-driven conversations with urban slang.
- Built a fast and responsive user interface using React and TypeScript.
- Implemented user authorization and authentication with Firebase.
- Utilized Google Cloud Container Registry for continuous deployment.
- Developed a robust Express backend with MongoDB and MongoDB Atlas for storing and managing user conversations and data.