

Hammad Akbar

Full Stack Developer and Web Accessibility Expert

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SKILLS PROFILE

Programming: Python, Java, C/C++, Bash Scripting

Web Development: JavaScript, Typescript, React/ReactJS, HTML, CSS, ARIA, PHP, SocketIO, Unit Testing, UX/UI Development

Technical: Jira, SQL, PostgreSQL, SQLAlchemy, Flask, Git, GitHub, Heroku, AWS, OAuth, APIs, RPA, Amazon Lex, WCAG 2.1

- Proficient in Full Stack Development utilizing Python and functional ReactJS with MVC software design pattern using Scrum and Agile methodologies.
- Knowledge of digital accessibility and inclusion including digital accessibility regulations & Web Content Accessibility Guidelines (WCAG) 2.1 Level A and AA requirements.
- Expertise using assistive technologies such as NVDA, JAWS, VoiceOver, Talkback.
- Hands on experience working with designer, developer, and QA teams to fix UI components and solve any code issues with HTML5, CSS, Aria, JavaScript, and SCSS to make the product responsive.
- Experience in implementing responsive web design using React, Material-UI and CSS.
- Cooperation in development of hands-on software with HTML, CSS, JavaScript and React.
- Good understanding of overall web design including basic usability, accessibility, industry standards, architecture, and navigation.
- Strong knowledge of full lifecycle software development.
- Skilled at Relational database management systems and SQL.
- Worked with version control using Git.
- Hands on experience with Rest APIs and extensive knowledge of how web semantics translate into a Rest API.
- Sound knowledge and good experience with Object Oriented Concepts and Object-Oriented Design and Implementation.

WORK EXPERIENCE

Software Engineer – Digital Accessibility

Capital One | April 2021 - Present

- Act as a subject matter expert and perform automated and manual assessments on Capital One web pages under development to ensure compliance with WCAG 2.1 A and AA standards, Title III of the Americans with Disabilities Act, the U.K. Equality Act of 2010, the Canadian Human Rights Act, and other applicable federal and state laws that apply in countries where Capital One maintains business.
- Examine existing HTML and JavaScript code to minimize accessibility issues, reducing outstanding accessibility bugs by 20%.
- Support over 1000 Agile development teams in a highly collaborative environment to remediate existing web and mobile applications.
- Assisted in created new reporting guidelines, increasing accessibility remediations by 25%.

Code Coach – Full Stack Development

The Coder School | October 2019 - Present

- Instruct children between the ages of 8 and 18 how to program in Java, Python JavaScript, ReactJS and HTML, improving programming efficiency and code design utilizing Agile and Scrum methodologies.
- Create guided lesson plans, improving teaching efficiency for colleagues by 30-40%.

- Retain 100% of clientele by performing student trials and providing feedback.

Software Engineer Intern – HR Operations Automation

Prudential | January 2021 – May 2021

- Designed, implemented, and presented automation solutions for HR processes and operations using Python, APIs, and RPA tools.
- Developed and produced an automated chat bot, reducing company costs by 10% and employee utilization by 20%.
- Created Product Design Documents and Logic Sheets to keep record of the processes involved.

EDUCATION

Bachelor of Science in Computer Science with a Minor in Biology

New Jersey Institute of Technology | 3.4 GPA | September 2016 - December 2020

PROJECTS

Poligram (2020) - <https://poligram.herokuapp.com/#/>

- Built a web application with engineers from Bloomberg and Facebook, using Scrum and Agile methodologies that enables users to learn about American politics, take ideology quizzes, participate in public polls, and explore the political geography of the United States of America.
- Led the development of this project as the Project Manager and Lead Software Engineer.
- Engineered using Python-Flask, ReactJS, JavaScript, HTML, CSS, PostgreSQL, Git, Heroku and various APIs, while incorporating automated unit testing with Circle CI and OAuth login with an AWS EC2 instance for development.
 - Utilized various React dependencies such as router-dom and socketio.
 - Incorporated multiple APIs such as newsapi and dictionaryapi to create app components enabling users to learn political terms and view news.
 - Experience with implementing OAuth login with Google.
 - Created JSON data used to implement map details and ideology quiz questions.
 - Implemented database design to store user login state and feedback taken.

Chatter (2019) - <https://the-chat-box.herokuapp.com/>

- Built a web application that enables users to chat with each other, send images and GIFs, and run commands through a chat bot.
- Engineered using Python-Flask, ReactJS, JavaScript, HTML, CSS, PostgreSQL, Git, Heroku and various APIs, while incorporating automated unit testing and OAuth login with an AWS EC2 instance for development.
 - Utilized React dependencies such as socketio.
 - Incorporated multiple APIs such as the Funtranslate API and Chuck Norris API enabling users to be creating and utilize fun bot commands.
 - Experience with implementing OAuth login with Google.
 - Implemented database design to store user's names and messages so new users can see previous messages.

Food Galore (2019) - <https://food-galore.herokuapp.com/>

- Built a web application that enables users to explore recipes for specific foods, view recipe steps, ingredients and nutrition content and see recent tweets about the food.
- Engineered using Python-Flask, HTML, CSS, Git, Heroku and various APIs with an Amazon Web Service's EC2 instance for development.
 - Utilized the Spoonacular API to parse information regarding foods and implement the information into a nutrition facts sheet.
 - Incorporated the Tweepy API to query and gather tweets related to a randomly selected food.
 - Developed multiple HTML Content Division elements to structure webpage content.