

# BILAL AZIZ

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## **SOFTWARE SKILLS:**

Javascript, HTML, CSS, SASS, XML, JSON, cURL, AJAX, Mongoose, Git, GitHub, Shell scripts, Mongoose, MongoDB, PostgreSQL, SQL, ExpressJS, Bootstrap, Django, JQuery, ReactJS, NodeJS, Heroku, VS Code, Google and Microsoft Suites, AutoCAD, Trello, Project Management, Collaborative team player, Fluent in Urdu/Hindi, Effective Negotiator, Client-Facing, Engaging Presenter, Sprint Planning.

## **EXPERIENCES:**

**General Assembly Software Engineering Immersive** | St. Louis, Missouri

Mar 2022 – May 2022

*Software Engineering Fellow*

- Participated in a 500+ Hours, full-time immersive Software Engineering course, that focused on fullstack applications, where we used modern frameworks and libraries to build in-class projects, complete challenges, and personal projects focused on real-world manipulation of data, algorithms, and best practices in development. Used various technologies to develop a portfolio of individually and collaboratively focused in-class projects and presentations, including:

### **Debugger-Trackr Ticket Application - Project**

- Individually develop a React SPA bug ticket system using MERN stack in 5 days. Performs all RESTful API calls, respective UI Integrations and created test scripts, and proficiently debugged using automated API scripts using AJAX and cURL. Using common front-end development tools such as NPM, Grunt, jQuery, and styling with CSS, Bootstrap, and Sass with additional features including audio. Deployed the SPA to Heroku remote server and leveraged Git for version control.

### **Task List Application - Project**

- Collaborated with a team to develop a React SPA Task List with ExpressJs, NodeJS, MongoDB. Adding special features such as token authentication. Wrote, tested, and debugged automated API scripts using AJAX and cURL scripts. Utilized a MERN stack (MongoDB, ExpressJS, ReactJS, NodeJS) to build a full stack application in 4 days, with full create, read, update, delete operations hitting all RESTful API calls. Utilized Version Control to share work and collaborate efficiently and effectively through a Git Repository hosted on GitHub. Created new feature branches and made frequent commits to GitHub for each stage of the development process. Deployed the application to a Heroku remote server. Styled the application using Styled-Components, Bootstrap, and Sass.

### **UnSeen Homes Application - Project**

- Individually analyzed, developed, tested, and delivering objectives and client implementation for a SPA House data tracking and storing application with basic user authentications (sign-up, sign-in, sign-out, change password). Created RESTful API fetch calls to an ExpressJS, MongoDB, NodeJS backend handling all create, read, update, and delete operations. Used Mongoose to define schemas for MongoDB collections. Wireframes and created Entity-Relationship Diagram for planning process of the application's UI design using Figma. Implemented CSS and Bootstrap for styling and design. Wrote, tested, and debugged automated API scripts using AJAX. Deployed the SPA to Heroku remote server and leveraged Git for version control. Displaying data in a logical format that is easy to understand by both technical and non-technical individuals.

### **Tic Tac Toe Application - Project**

- Individually developed a SPA tic-tac-toe board game using various technologies, including but not limited to Javascript, HTML5, CSS styling. Adding basic features such as user token authentication, allowing users to an exclusive interaction with their games and history. Using Javascript and jQuery, we created object-oriented functions, constructors, and events, while learning how to strategically solve problems and resolve errors. Wrote, tested, and debugged automated API scripts using AJAX, and used GitHub Pages to deploy. Utilized Git control during the production of the application with frequent commits until deployment.

### **Actively Anna Persona - UX/UI Project**

- Identified a user's pain points and navigational problems with public transportation and designed an wireframe application with the user desired features. Used task analysis methods such as conducting user interviews, A/B testing, and user research to gain insight on user's actions and behaviors to develop a Problem Statement. Created Persona with Figjam to convey a user journey map.

*HVAC Residential Department Manager / Project Manager*

- Refined leadership skills through management of Technicians and proper execution of Residential New Installations/Replacements. Actively handle and maintain all customer interaction over-the-phone and in-person, such as disputes, troubleshooting, quotations, product information, and networking. Identified, executed, and maintained online and offline marketing material based on in-depth research. Created and presented yearly budgets, department objectives, and trained Union Technicians on residential safety, procedures, and sales. Affiliated with Business National Institute (BNI) Networking Group, 2020 All-Star Award, and 2021 Presidential Nomination.
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**EDUCATION:**

**General Assembly Software Engineering Immersive** | St. Louis, Missouri

Mar 2022 – May 2022

*Software Engineering Fellow*

**Southern Illinois University Edwardsville** | Edwardsville, Illinois

Aug 2014 – May 2019

*Construction Management: Bachelor of Science in Construction*

*Management & Minor Business*

**Ranken Technical College** | St. Louis, Missouri

Aug 2012 – May 2014

*Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR):*

*Associates in Technology*

**Edwardsville High School** | Edwardsville, Illinois

Aug 2008 – May 2012

**CERTIFICATIONS:**

**Residential Air Balancer Certification** | National Comfort Institute, Inc

Oct 2019 – Present

**Duct System Optimization Specialist Certification** | National Comfort Institute, Inc

Oct 2019 – Present

**Universal Technician Certification** | Ranken Technical College

Mar 2014 –

Present

**Environmental Protection Agency Certification** | Ranken Technical College

Mar 2014 –

Present