

Esra Brown

Software Engineer in St. Louis, MO

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Successfully transitioned from education and counseling to software engineering with a diverse background, showcasing analytical thinking, problem solving and interpersonal skills. Recent graduate with strong research, technical, and analytical capabilities. Detail-oriented and quick learner, adept at grasping new concepts across disciplines. Self-motivated, adaptable, and proven in problem-solving and adaptability within dynamic environments.

TECHNICAL SKILLS

Java, Spring Boot, HTML, CSS, JavaScript, Vue.js, MySQL, AngularJS, Typescript, HTML, CSS, Python, UI/UX, Unit Testing (JUnit), Bootstrap, Node.js, Debugging, Thymeleaf, Responsive Design, Node.js, GitHub, Hibernate, REST, Gradle, IntelliJ, Object Oriented Programming, Model-View-Controller (MVC) Architecture, Visual Studio Code

TECHNICAL EXPERIENCE

My Personal Portfolio Website — <https://esrabrown.github.io>

- Designed and developed a dynamic personal website utilizing Angular, TypeScript, HTML, and CSS to encapsulate my journey and showcase my proficiency in Software Engineering. The website serves as a comprehensive representation of my capabilities, offering visitors an intuitive and user-friendly experience to explore my portfolio and easily connect with me via email.
- Provided a seamless navigation experience with responsive design for users to seamlessly interact with my projects and insights. The incorporation of Angular and TypeScript enhances the interactivity, while the precision of HTML and CSS ensures an aesthetically pleasing and engaging interface.

Qlean Quotes — Full-Stack Housekeeping Application

- Collaboratively developed a dynamic web application that empowers users to effortlessly establish accounts, input critical details such as square footage, room and bathroom counts, and cleaning preferences and seamlessly proceed to calculate accurate service costs based on this data.
- Executed the project as a group effort, leveraging Java, Spring Boot, MySQL, JavaScript, Thymeleaf, CSS, Bootstrap, and Spring Security for user authentication, and integrating the Square API for seamless payment processing.
- Implemented robust Spring Security measures to establish fortified user authentication, safeguarding login processes and ensuring confidential user data storage within dedicated user profiles.
- Integrated the widely-used Square API, enabling secure and direct online payments for quotes on the website.
- Personally designed and implemented a robust Spring Framework-based Model-View-Controller (MVC) architecture using Java. Seamlessly integrated user and quote data with MySQL while ensuring data security through authentication. Managed error handling for a smooth user experience, crafted engaging UI/UX designs, and fortified the application with meticulous JUnit unit testing.

Tech Jobs — Job Searching Application

- Engineered a robust web application facilitating effortless browsing, searching, addition, and editing of tech job listings. Developed using Java, Spring Boot, and Thymeleaf, meticulously adhering to the Model-View-Controller (MVC) architecture.
- Notably, I assumed a pivotal role in personally designing and implementing the Object-Relational Mapping (ORM) functionality through Spring Data. This strategic contribution optimized data management, elevating the application's performance and ensuring seamless interaction with the underlying database.

EDUCATION

LaunchCode, Saint Louis, MO

Sept 2022 – Jun 2023

Full-stack Web Development course covering JavaScript, Node.js, HTML, CSS, Angular, Java, Spring Boot, Thymeleaf, Bootstrap and MySQL. Undertook various assignments and projects to demonstrate front end, back end, and full stack development. Implemented test-driven development, Git workflow, MVC design, model binding, object-relational mapping, data validation, and authentication.

- Capstone Project: Collaboratively developed a Full-Stack Web Application by using Java, Spring Boot, MySQL, JavaScript, Thymeleaf, CSS, Bootstrap, and Spring Security for user authentication, and integrating the Square API for seamless payment processing.
- I personally initiated and led the creation of the project from its conceptualization, leveraging Spring Boot to bring the application to life from the ground up. Designed Spring Framework-based Model-View-Controller (MVC) architecture using Java. Led error handling, UI/UX design, built-in JUnit unit testing, and established MySQL connectivity for the project. Generated multiple creative UI/UX design concepts, enabling collaborative selection within the group to finalize the project's visual direction.

Uludag University, Bursa, Turkey

Sept 2010 – Jun 2015

Bachelor of Arts in Philosophy

WORK EXPERIENCE

AuPairCare Live-In Childcare, United States

Oct 2018 – Oct 2020

Au Pair

- Enhanced English proficiency, adapted diverse environments and gained insights into American culture.
- Developed essential professional skills: communication, collaboration, problem-solving, teamwork, task prioritization, time management, organization, self-motivation, conflict resolution and leadership.
- Dedicated to self-improvement, completed multiple English courses to enhance language skills.

Atades, Zaragoza, Spain

Oct 2017 – Aug 2018

Mentor

- Strengthened Spanish proficiency and embraced Spanish culture through international work experiences, fostering adaptability and cross-cultural skills.
- Contributed collaboratively to a dedicated team focused on improving the lives of individuals with intellectual disabilities, showcasing teamwork and problem-solving abilities.
- Provided consistent mentorship to a diverse group of disabled students, demonstrating creativity in tailoring guidance for active participation in diverse activities.
- Successfully completed a comprehensive Spanish course, showcasing my commitment to ongoing learning and goal attainment.

Gokkusagi Rehabilitation Center, Zonguldak, Turkey

Sept 2016 – Sept 2017

Guidance Counselor

- Delivered personalized support to disabled students, equipping them with assistive devices, supportive technology, and guidance to enable full participation and access to educational facilities.
- Utilized effective communication and teamwork to collaborate with parents, teachers, and professionals to implement personalized strategies, for improved learning and integration of disabled students.
- Provided active listening and empathetic communication during counseling sessions, guiding individuals through personal, social, and behavioral challenges to foster their recovery and facilitate personal growth.
- Simultaneously fulfilled the role of Assistant Manager, generating monthly performance reports, driving strategic decisions, and setting priorities and goals. Applied effective communication and problem-solving skills to enhance performance.