Dr. Semra Baki
Software Engineer

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Summary:

Highly motivated software engineer with a huge passion for building software and exploring new technologies. Seeking to utilize broad educational background with excellent analytical, technical, and programming skills to meet business needs.

Technical Skills:

Java, JavaScript, HTML, CSS, React, HTML, Bootstrap, JUnit Java, Spring Boot, Spring MVC, MongoDB, SQL, Hibernate, PostgreSQL, Oracle SQL, MySQL, API, JDBC, MongoDB, Git & GitHub, Jira (Xray), Jenkins, Maven

Experiences:

MTD Bank, New York City, NY   Software Engineer-(September 2021 - Present)

Currently working as a Software Engineer utilizing technologies where we worked on national and international transactions to make payments on a secure system. Spring Tool Suite is used to develop the backend structure of this project. Spring Boot and Spring JWT is the framework on the backend to create secure, authenticated and authorized Restful APIs with the Maven project structure. I use the Junit framework to test my Java codes. With the repositories in Spring Data JPA, I make connections to the Database which is PostgreSQL and build Spring powered applications. I am currently working on creating user interface with ReactJS along with React-router and reusable components with ES6 features. Many external libraries such as Bootstrap, Formik, Material-UI, Yup, React-strap, React-toastify help me to complete the UI part of the project. Git and GitHub are being used in my current team as a source control tool daily. Jira and Jira Xray are project management tools for our SCRUM team. I am currently working in an Agile environment and having Grooming meetings to understand user stories. Our Sprints are two weeks long and we are having daily standups.

More Personal Projects- –Please refer to my Portfolio to see more projects.

Riverwalk Foundation, San Antonio, TX

Computer Science/Robotics/Turkish Teacher/ IT Specialist   (August 2016 - June 2021)

Experience teaching programming basics and robotics classes for K-8th grade students. Also helped with IT related issues. Joined weekly school meetings. Design morning and after-school

extra-curricular technology programs such as coaching Robotics and CyberPatriot team. Incorporated technology into lessons to strengthen student understanding by utilizing the online textbook programs to assign lessons. I used many different software to connect the databases to enter students' grades, take attendance, and submit lesson plans.

Texas Tech University, Lubbock, TX   Research Assistant (2015 - 2016)

Helping course professors with technology related tasks such as hardware, modifying online courses. Created an iBook for the Teacher Candidates.

Fatih University, Istanbul, Turkey   Teaching Assistant (2007 - 2009)

I thought C, C++, and C# classes for undergraduate students.

PlassKart, Istanbul, Turkey   Intern (June- September 2006)

Training Barcode Reading (C#), Customer Following Program (C#): The three months program covered advanced topics in software engineering, SQL, Windows 2000 Server, and various Company Products.

Halic University, Istanbul, Turkey   Teaching Assistant (2005 - 2007)

Helping professor with teaching programing basics to first year undergrad students.

EDUCATION

Instructional Technology (Ph.D.) -Texas Tech University (Lubbock, Texas), Graduated in 2021

Computer Science (MSCS) - Fatih University (Turkey), Graduated in 2009

Computer Engineering (B.S.) – Halic University (Turkey), Graduated in 2007