Bilge **Kose**

SOFTWARE ENGINEER · MECHATRONICS ENGINEER

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Summary

Mechatronics Engineer with a strong foundation in software development, control systems, and automation. Experienced in designing and implementing solutions in diverse fields, including robotics, automotive, and front end development. Proficient in React.js, JavaScript, and modern front-end technologies, with a keen interest in improving user experience and optimizing code performance. Known for analytical problem-solving skills, adaptability to new technologies, and a passion for continuous learning. Seeking to contribute to innovative projects in a dynamic and forward-thinking environment.

Work Experience

Yapı Kredi Technology   *İstanbul, Turkey*
SOFTWARE INTERN   *Nov. 2023 - Oct. 2024*

- Developed and maintained user interfaces using React.js for various projects.
- Collaborated with backend teams to integrate APIs and ensure smooth data flow.
- Enhanced UI/UX by optimizing component rendering and improving performance.
- Participated in the design and development of the overall software architecture, focusing on scalability and performance.
- Participated in code reviews and implemented best practices for front-end development.

Toyota   *Mersin, Turkey*
INTERN   *Jun. 2020 - Aug. 2020*

- Completed a 30-day internship focused on automotive systems and engineering principles.
- Worked on the design and maintenance of vehicle components, using software like SolidWorks, AutoCAD, Siemens NX, and Catia.
- Gained in-depth knowledge of automotive parts, their functions, and their integration into complex systems.
- Collaborated with engineers on troubleshooting mechanical issues and improving part designs.

Program Committees

2021   **Organizer** , IEEE Konya   *Turkey*

Education

Necmettin Erbakan University   *Konya, Turkey*
MECHATRONICS ENGINEERING   *Sep. 2018 - Jul. 2022*

- Graduated with a focus on control systems, automation, and robotics.
- Worked on multiple projects, including a balance robot for the final year project.

Skills

Front-end	Vue, React, CSS3, HTML5, LESS, SASS
Programming	Node.js, Python, JavaScript, C++, C, C#
Software & Tools	MATLAB, ROS, SolidWorks, AutoCAD, Siemens NX, Catia, Git, GitHub
Languages	Turkish, English

Extracurricular Activity

Ctrl+ Future Bootcamp (in collaboration with Koç Holding and Microsoft)   *Online*
PARTICIPANT   *Jul. 2023 - Sep. 2023*

- Completed a comprehensive bootcamp focused on front-end development using React.js and JavaScript.
- Learned and applied Node.js to build server-side applications and handle API integrations.
- Worked on real-world projects, applying modern front-end and back-end technologies to create full-stack applications.
- Collaborated with a team of developers to complete hands-on coding challenges and group projects.

University Graduation Project

Balance Robot Project

- Designed and implemented a balance robot using STMF103 microcontroller and CubeIDE for control logic.
- Tested the mathematical model and system performance in MATLAB and ROS environments.
- Completed hardware integration and software development, achieving a fully functional balance control system.

Various Personal and Academic Projects

Other Projects

- Developed a personal portfolio website using HTML5, CSS3, and JavaScript.
- Contributed to open-source projects by submitting pull requests and working on bug fixes.
- For more details on projects, visit my GitHub: github.com/bilgekosee.