

Mustafa Hasanain

Software Engineer

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SUMMARY

Results-driven Software Engineering graduate from Bahçeşehir University with expertise in web development, specializing in frontend technologies while maintaining full-stack capabilities. Proven track record of developing multiple projects utilizing JavaScript and its ecosystem. Successfully completed an academic capstone project integrating AI solutions with e-commerce platforms, demonstrating innovative problem-solving abilities. Multilingual professional fluent in Arabic and English, with conversational Turkish proficiency. Dedicated to continuous professional development and eager to leverage technical skills to create impactful software solutions that drive business value.

TECHNICAL SKILLS

- Programming Languages:** JavaScript, TypeScript, Python, PHP
- Frontend Development:** HTML5, CSS3, React.js, Next.js, Redux, Tailwind CSS, WordPress
- Backend Development:** Node.js, Express.js, MongoDB, Firebase, RESTful APIs, GraphQL (Apollo)
- Additional Tools:** Jira, Docker, CI/CD pipelines Webpack, Babel, Postman, ESLint, Prettier

PROJECTS

Web Development Projects

- Portfolio**

2024

Mustafa Hasanain's Portfolio

Next.js, TypeScript, Tailwind CSS

- DBuilt a modern, responsive portfolio website using NextJS to showcase projects, skills, and experience
 - Integrated Framer Motion for smooth animations and transitions, enhancing interactivity and user experience
 - Designed a responsive, minimalistic UI with clear project sections and contact form, optimized for both desktop and mobile
- Trending Movies**

Jan 2025 – Feb 2025

React Trending Movies App

React, Tailwind CSS, AppWrite

- Developed a responsive movie search and browsing web app using React and the TMDb API
 - Implemented dynamic search functionality, movie detail pages, and genre-based filtering
 - Applied modern React features such as hooks, functional components, and clean UI design
- Zentry**

Feb 2025 – Mar 2025

Zentry Website Clone

React, Tailwind CSS, GSAP

- Developed an Awwwards-style interactive website using React, showcasing advanced UI/UX design principles
 - Implemented smooth animations, parallax scrolling, and dynamic page transitions using modern frontend tools
 - Focused on performance, responsiveness, and visual storytelling to emulate award-winning design aesthetics
- Xora**

Mar 2025 – Apr 2025

Landing SaaS App

React, Tailwind CSS, TypeScript

- Designed and developed a sleek, responsive landing page using React with modern layout techniques
 - Integrated smooth scroll behavior, engaging animations, and clean section transitions for polished UX
 - Focused on modular, reusable components and clean code structure for scalability and maintainability

University Projects

Capstone Project

AI-Powered E-Commerce Website

Sep 2023 – Jun 2024

JavaScript, Node.js, GPT model, Firebase

- Developed a full-stack e-commerce platform integrating GPT-based backend for personalized product recommendations
- Built interactive frontend components with smooth UX, secure user authentication, and real-time data handling via Firebase
- Demonstrated strong command of modern web development practices using JavaScript, Node.js, and responsive design techniques

Library Management System

Desktop Application

Sep 2021 – Feb 2022

Java, MySQL

- Developed a Java-based library management system enabling efficient book and member management
- Implemented key features including book search, borrowing, and return functionalities with a user-friendly interface
- Integrated with a robust MySQL database for reliable and scalable data handling

Education Database System

Database Project

Feb 2022 – Jun 2023

Oracle SQL, draw.io

- Designed and implemented an SQL-based education management system using Oracle for academic data handling
- Created a detailed ER diagram with draw.io and ensured schema design adhered to BCNF normalization standards
- Developed schema creation scripts with sample data and demonstrated functionality through advanced SQL queries

Online Stationery Shop Application

Desktop E-Commerce App

Feb 2022 – Jun 2023

Java, Swing, Data Structures

- Developed a Java Swing-based GUI application for an online stationery store with a responsive and secure interface
- Implemented features such as secure login, shopping cart, order previews, and persistent data storage
- Utilized Binary Search Trees for item cataloging and Priority Queues for efficient customer data management

Real-Time Facial Features Detection System

Computer Vision Project

Sep 2023 – Feb 2024

Python, OpenCV

- Engineered a Python-based real-time facial feature detection system using OpenCV
- Achieved accurate detection of facial landmarks such as eyes and smiles using grayscale preprocessing techniques
- Integrated interactive user controls for seamless operation and improved usability

Simulation of Wireless Sensor Networks

Network Simulation Project

Sep 2023 – Feb 2024

Python, SimPy

- Simulated Wireless Sensor Networks (WSNs) in Python using the SimPy library to model communication dynamics
- Implemented a TDMA-based MAC protocol with custom classes for sensor nodes and scheduling algorithms
- Optimized data transmission efficiency and minimized packet collisions, showcasing advanced network simulation skills

EXPERIENCE

Aleef House

Pet Shop E-Commerce Website

Apr 2023 – May 2023

Baghdad, Iraq

- Created a responsive e-commerce platform for a pet products store, optimized for all devices
- Allowed users to easily browse and order products online, with a secure checkout process
- Integrated real-time inventory updates, ensuring accurate product availability

Aleef Time

Booking Appointment Platform

Jul 2023 – Aug 2023

Baghdad, Iraq

- Developed a real-time appointment booking system with dynamic scheduling and calendar-based availability
- Implemented secure user authentication, role-based access, and automated email notifications
- Designed a scalable frontend architecture with clean routing, modular components, and responsive design

Arwa Interior

Interior Design and Decoration Portfolio

Feb 2022 – Apr 2022

Istanbul, Turkey

- Built a visually-driven marketing website using component-based architecture to showcase design services
- Integrated a dynamic portfolio gallery, smooth navigation, and animated UI elements for engagement
- Focused on cross-browser compatibility and responsive design for an optimized user experience across devices

EDUCATION

Bahçeşehir University
B.Sc. in Software Engineering

Istanbul, Turkey
Aug 2020 – Feb 2025

CERTIFICATIONS

- Foundations of Project Management
- McKinsey Forward Program
- Technical Support Fundamentals
- Aspire Leaders Program

LANGUAGES

- Arabic: Native
- English: Fluent
- Turkish: Conversational