

Mohamed kaseem

Software Engineer | Front-end Developer | Back-end Developer |
Fresh Graduate

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My Portfolio

Summary

I'm Kasem, a passionate software engineer with a degree in Computer Science and four years of hands-on experience in web development. From 2020 to 2024, I immersed myself in studying and researching software development, leading to the creation of diverse, impactful projects. This journey has sharpened my ability to rapidly bring new products to life, ensure software security, and deliver long-term maintainability—all while mastering the intricate details of how everything works behind the scenes.

I excel in:

- Creating responsive and user-friendly front-end applications.
- Developing scalable and secure backend systems.
- Converting ideas into fully-functional software products.
- Participating in and contributing to complex programs.
- Adding new technical features from scratch that align with business goals.
- Rapidly learning and mastering new technologies.

Education

October 2020 – July 2024

BSc , COMPUTER SCIENCE , Damanhour University

During my studies in computer science and information technology, I was involved in various projects, both assigned and self-initiated, aimed at solving real-world problems and enhancing my technical skills.

Graduation Projects

Image Processing System (MATLAB) - Team Member

Developed an edge detection and enhancement system using MATLAB, optimizing algorithms to handle large datasets efficiently and improve image clarity.

Online Tic-Tac-Toe Game (Java & JavaScript) - Team Lead

Led the development of a real-time Tic-Tac-Toe game with Spring Boot and JavaScript, utilizing WebSocket for synchronized gameplay.

Real-Time Messaging Platform (Next.js & Pusher) - Developer

Built a scalable real-time messaging platform with Next.js and Pusher, ensuring low latency and secure user authentication.

E-commerce Platform (PHP, JavaScript, Bootstrap) - Backend Developer

Implemented user authentication, product uploads, and payment processing on a feature-rich e-commerce platform with MySQL backend.

License Plate Recognition System (Python) - Developer

Developed a Python-based license plate recognition system with image processing and machine learning for fast, accurate detection.

Object Recognition System (Python & Machine Learning) - Team Member

Contributed to an object detection system using Python and machine learning, with a focus on real-time classification.

AI Media Generator (OpenAI & Replicate AI) - Team Leader

Led the development of an AI-powered media generator, creating images, audio, and video from user input while optimizing AI models.

Interactive Web Pages (HTML, CSS, JavaScript) - Front-End Developer

Created responsive, interactive web pages for various projects, focusing on dynamic content and strong front-end practices.

Projects

Driven by a passion for the web, I pursued a series of side projects alongside my university studies. These projects focused on mastering technologies like Node.js, React.js, and Next.js. demonstrate my ability to build reliable, scalable applications and reflect my dedication to excelling in the evolving field of software development

Weather Forecast Application - Developer

Built a weather app with Google authentication, allowing users to search for city-based forecasts and view a detailed 7-day weather outlook.

Game Hub - Developer

Created a Game Hub for users to explore and filter games by platform and genre. Integrated infinite scrolling and dark/light mode for a smooth, customizable experience.

Movie Trailer Website - Developer

Developed a movie trailer website where users can search for movies and view trailers. The site dynamically updates based on user input and search queries.

YouTube Channel Explorer - Developer

Built a platform allowing users to search YouTube channels and videos, providing personalized content recommendations based on user preferences.

Watch Store - Developer

Developed an online store with advanced filtering options for price, color, and size, ensuring a seamless and intuitive shopping experience.

Certifications

The Ultimate HTML5 & CSS3 Series

Ultimate JavaScript Part 1 & 2: Advanced Topics

React 18 for Beginners

React: Intermediate Topics

The Ultimate TypeScript Course

Mastering Next.js 13 with TypeScript

The Ultimate Git Course

Data Structures and Algorithms

Languages

English - Arabic