

CAROLE BOU SHAKRA

Software Engineer

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SUMMARY

Software Engineer with hands-on project work in ASP.NET Core(C#), React, Node.js, and modern JavaScript, plus practical QA and debugging experience on production web interfaces. Strong scientific background with a knack for data-driven problem solving and meticulous attention to detail. Eager to build reliable, accessible, and responsive web apps end-to-end

EXPERIENCE

Associate Software Engineer

Dec,2024- Present

People 365

Lebanon

- Participated in quality assurance and testing of front-end interfaces developed in .NET (C#).
- Diagnosed and resolved bugs in .NET C code to ensure smooth functionality and improved user experience.
- Utilized SQL and direct database queries to investigate issues, retrieve data, and support accurate data display.
- Worked with jQuery to debug and enhance front-end behavior and fix UI-related issues.
- Maintained and enhanced Telerik reports by fixing designer file issues to ensure accurate data visualization and layout consistency.
- Developed and maintained RESTful APIs to support front-end functionality, enabling efficient data exchange and improving application performance.
- Collaborated with the development team to implement code improvements while preserving existing system logic and stability.
- Led and facilitated cross-team meetings to explore and implement AI-assisted development practices, introducing new tools and features that improved efficiency and reduced issue resolution time.
- Leveraged AI-assisted development tools (e.g., code completion and debugging support) to accelerate issue resolution and improve productivity.
- Used debugging tools to identify, report, and help resolve bugs or performance issues.
- Reviewed UI functionality for consistency, usability, and compliance with business requirements.
- Contributed to writing and refining C code in collaboration with the development team to improve system performance and maintainability.
- Actively participated in the validation of pages, tracking and testing errors from both user and system perspectives.

Freelance Full-Stack Web Developer

Dec,2024-Present

TrioGen

Lebanon

- Ship end-to-end apps with React front ends and ASP.NET Core APIs (Entity Framework, SQL Server/MongoDB).
- Implement auth, validation, error handling, and responsive, component-based UI.
- Manage Git/GitHub workflows and light CI/CD; document and maintain post-release.

Coding Tutor

Oct,2024 - Nov,2024

Private

- Provided personalized coding tutoring sessions such as computer architecture, focusing on students specific learning requirements.
- Designed and developed customized lesson plans to address individual student needs and learning goals.
- Implemented hands-on projects and practical exercises to strengthen students' understanding and coding skills such as the C++ language.

CERTIFICATES

AI & Prompt Engineering Certifications

Online

Coursera

2025

- Completed "ChatGPT Prompt Engineering for Developers", focusing on AI-assisted problem solving and workflow optimization.
- Completed "Introduction to Prompt Engineering", covering prompt design fundamentals.
- Completed "Prompt Engineering for Claude", leveraging multiple AI tools for development tasks.
- Applied prompt engineering techniques to improve debugging efficiency and automate workflows.
- Designed structured prompts for debugging, code generation, and optimizing SQL queries within real development scenarios.

- Applied AI tools to analyze existing codebases, suggest improvements, and assist in resolving front-end and back-end issues efficiently.

Full Stack Web Development

4 Finance Center

Lebanon
Sept,2024-Dec,2024

- Built full-stack apps
- Implemented JWT auth, CRUD APIs, responsive UI; added unit/integration tests.
- Led QA testing: test plans, Playwright/Postman, bug tracking and regressions; used Git and basic CI/CD.

Computer Science Workshop

Rafik Hariri University

Lebanon
Aug,2021-Sept,2021

- Completed an introductory session in Unity Game Engine.
- Engaged in hands-on learning.
- Developed problem-solving abilities by working on small projects during the workshop.

PROJECTS

Quiz-app | React and Javascript

- github.com/Carole-Bou-Shakra/quiz-app
- Developed a quiz app using React and JavaScript, showcasing proficiency in modern web development technologies.
- Implemented a login page to authenticate users, enhancing user experience and security.
- Designed three multiple-choice questions, each equipped with a carousel of images to provide a dynamic and engaging quiz experience.
- Utilized state management to track user responses and quiz progress, ensuring smooth navigation between questions.
- Incorporated responsive design principles, making the app accessible and user-friendly across different devices.

Foody | Javascript, Css

- github.com/Carole-Bou-Shakra/Foody
- Created a food ordering website using JavaScript, demonstrating skills in web development and user interface design.
- Implemented a searchable menu that allows users to easily find food and drink options, enhancing the overall user experience.
- Enabled order placement functionality, allowing users to select and order their desired food and drinks directly from the menu.
- Incorporated user-friendly design elements, ensuring intuitive navigation and accessibility across different devices.

EDUCATION

Lebanese University

M1 Molecular Chemistry

Hadath, Lebanon
2022 – 2024

Lebanese University

Bachelor in Pure Chemistry

Hadath, Lebanon
2019 – 2022

TECHNICAL SKILLS

- Languages: C#,C++,JavaScript, HTML,CSS , Tailwind
- Frameworks and Libraries: React, Node.js , Express.js ,ASP.NET Core, Entity Framework
- Database: MongoDB, MySQL, SQL Server
- Developer Tools: Git, Figma,VS Code, Visual Studio ,Playwright,Postman
- Concepts: REST APIs, JWT auth, CRUD, input validation, responsive design, CI/CD basics

SOFT SKILLS

- .NET / ASP.NET Core (front-end components, spec compliance)
- C / Code Maintainability (readability, small performance fixes)
- React JavaScript (state management, routing, component-driven UI)
- API Workflow Testing (Postman for APIs, Playwright for UI)
- Version Control Collaboration (Git/GitHub, PR reviews)
- Responsive Accessible UI (consistency with business requirements)
- Authentication Authorization (login flows, session handling/JWT-style patterns)
- Debugging Performance Analysis (devtools, issue isolation, fix verification)
- QA Interface Testing (UI validation, regression checks, defect tracking)

LANGUAGES

- English
- Arabic