



DALIA ABOU CHAKRA

Computer and Communication Engineer

A passionate Software Developer and data engineer with a degree in Computer and Communications Engineering from Notre Dame University, Lebanon. Currently, working in the IT and development department at Softech, focusing on software development and data engineering. With over 3 years of experience—including 2+ years as a coding tutor—I'm eager about both building impactful solutions and mentoring others. I thrive on problem-solving, continuous learning, and creating user-centered digital experiences.

CONTACT

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DATE OF BIRTH

01, January, 2000

REFERENCES

Kindly ask for the desired references, will be shared upon request.

EDUCATION

Notre Dame University - Louaize 2017 - 2023

Bachelor in computer and communication engineering

WORK EXPERIENCE

Heenkah – Freelance Full Stack Developer – Remote (Saudi Arabia)

December 2024 – PRESENT

- Built and maintained Heenkah's website from end to end, covering design, development, and deployment.
- Delivered responsive and user-friendly interfaces while ensuring reliable backend functionality.
- Managed hosting, updates, and performance optimization to support business growth.
- Collaborated with stakeholders to translate requirements into scalable web solutions.

CIS College – Technical Instructor – On Site (Lebanon)

Jan 2025 – PRESENT

- Taught and trained students in various subjects including Python, C, Database, IT fundamentals, computer networking, and Microsoft technologies.

Softech S.A.R.L – Software Developer – Hybrid (Lebanon)

Jan 2024 – PRESENT

- Collaborated with cross-functional teams, including UX/UI designers, to deliver responsive and functional React components aligned with project goals.
- Designed and implemented scalable data pipelines and ETL processes to support efficient data handling and integration with software applications.
- Developed and integrated third-party APIs for real-time data fetching, ensuring seamless backend-to-frontend communication.
- Utilized React hooks and advanced JavaScript techniques to manage state, handle side effects, and enhance performance.
- Engineered RESTful API interactions using Axios and Fetch API, optimizing data delivery and ensuring secure endpoints.
- Ensured mobile-first designs and cross-browser compatibility using CSS frameworks (e.g., SASS) and responsive design principles.

- Built and maintained modular, testable, and reusable code for frontend and backend services, ensuring high performance and maintainability.
- Developed and optimized database queries and structures to support data-driven features and analytics.
- Wrote unit and integration tests using Jest and React Testing Library, maintaining high code quality and reliability.
- Conducted regular code reviews, fostering a culture of clean, efficient, and well-documented code adhering to industry standards.

Park Innovation - DevOps Engineer Internship – Hybrid (Lebanon)
November 2023 – March 2024

- Utilized Git and GitHub for source code management, ensuring effective collaboration, version tracking, and code branching strategies.
- Leveraged Docker to containerize applications, ensuring consistency across development, testing, and production environments.
- Orchestrated and managed containerized applications with Kubernetes, ensuring scalability, high availability, and automated deployment.
- Designed, implemented, and maintained CI/CD pipelines using Jenkins to automate testing, build, and deployment processes for faster and more reliable releases.
- Applied Ansible for efficient configuration management, automation of deployment tasks, and system provisioning across environments.

Bright Champs – Coding Instructor – Remote (India)
May 2023 – Jan 2024

- Designed and delivered engaging coding lessons for teens, introducing them to key programming concepts, including JavaScript, HTML, CSS, and Python.
- Developed and maintained curriculum materials tailored to different skill levels, ensuring accessibility and fostering a passion for technology.
- Facilitated hands-on learning experiences, guiding students through real-world coding projects, app development, and game design.
- Provided one-on-one mentorship and support to help students overcome coding challenges and develop problem-solving skills.
- Led group coding challenges, hackathons, and coding competitions to encourage teamwork, creativity, and critical thinking.
- Assessed student progress through quizzes, assignments, and projects, providing constructive feedback to help them improve and succeed.

iLearn Academy – Tutor – On Site (Lebanon)
October 2017 – September 2023

- Taught Math, Physics, and English to students across various academic levels, adapting lessons to suit individual learning needs and abilities.
- Instructed students in C++ and Python programming, helping them develop strong coding skills and understand fundamental programming concepts.
- Assisted university students with their projects, providing guidance on problem-solving, code optimization, and project development in both programming and academic subjects.

- Designed personalized lesson plans, exercises, and assessments to track student progress and improve their academic performance.
- Fostered a supportive and engaging learning environment, encouraging students to ask questions, participate in discussions, and develop confidence in their abilities.

IoTree - Software Developer Internship – Remote (Lebanon)

June 2022 – August 2022

- Developed responsive web applications using ReactJS, AngularJS, and VueJS, gaining proficiency in modern JavaScript frameworks.
- Built and maintained dynamic websites with HTML, CSS, and JavaScript, ensuring a seamless and user-friendly experience across devices.
- Collaborated with the development team to design, implement, and test features, following best practices and agile development methodologies.
- Attended AWS Summit and participated in various AWS workshops
- Contributed to version control using Git and participated in code reviews to maintain high code quality and best practices across projects.

SKILLS

Technical Skills

C++, C#, .NET, Python, Bash, React JS, React Native, Java, JavaScript, Ruby on Rails, Typescript, SQL, PHP, MATLAB, HTML, CSS, Tailwind CSS, Kotlin, Git, GitHub, GitLab
Microsoft Office, Oracle

Additional Certificates:

IEEE –Advanced Levels of Competition (University Projects)
Park Innovation & GIZ - DevOps
Park Innovation & DOT – AWS Re/Start
Udemy – Mastering AI Agents Bootcamp: Build Smart Chatbots & Tools

Behavioral Skills

Communication
Problem-Solving
Analytical Thinking
Time and Task Management
Project Management

Languages:

English: Fluent
Arabic: Mother Tongue
French: Limited Working Proficiency
