

Nisreen Hamzah

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Profile

Software Engineer specializing in enterprise software development, full-stack web development, and mobile application development. Skilled in ReactJS, React Native with Expo, JavaScript, Node.js/Express, Sequelize ORM, SQL, PL/SQL, TailwindCSS, and Bootstrap with a proven track record in delivering interactive front-end solutions, optimizing backend systems, and building cross-platform mobile apps with RESTful APIs connecting frontend and backend. Passionate about Agile development, scalable software systems, and continuous learning.

Currently pursuing a Master's in Data Science and has successfully completed an Advanced Full Stack Development with AI bootcamp, gaining hands-on expertise in modern full-stack technologies, DevOps practices, AI-powered development tools, and modern software architecture.

PROFESSIONAL EXPERIENCE

Full-Stack Mobile Developer

July 2025 - September 2025

Automation and Computer Technologies – Beirut, Lebanon

- Designed and prototyped a Clinic Booking Mobile application with 10+ user-centric screens in Figma, ensuring intuitive and responsive UI/UX
- Developed and deployed the mobile frontend using React Native + Expo, leveraging EAS Build for cross-platform builds and app hosting
- Engineered the backend with Node.js (Express), implementing 15+ REST APIs, using Sequelize ORM for efficient database modeling and integration with MySQL
- Set up and configured the development environment, including environment variables and version control to streamline collaboration and scalability

Software Engineer

August 2024 – May 2025

Nordstar Solutions LLC – Beirut, Lebanon

- Engineered 20+ key system modules and sub-modules for Consumer Packaged Goods (CPG) solution, including Authentication & Security, Subscription Tier, Enterprise Planning, Presales Mobility, and X-Van Mobility, using Oracle APEX, PL/SQL, SQL, JavaScript, and jQuery
- Developed reusable UI/UX components using JavaScript, jQuery, and CSS, implementing design mockups for consistent and scalable user interfaces
- Built interactive dashboards and analytics with SQL-based KPIs, delivering actionable insights to support data-driven decision-making
- Refactored complex backend logic, improving system performance and execution efficiency by 30%, while enhancing scalability and maintainability
- Mentored 4 new team members and interns, conducting code reviews to ensure high-quality deliverables while adhering to best practices in coding standards

Junior Programmer Analyst

August 2023 - August 2024

Nordstar Solutions LLC – Beirut, Lebanon

- Migrated 5+ legacy solution modules (e.g. Order Management, Settlement Operations) into scalable, high-performance systems
- Optimized database procedures by designing and enhancing PL/SQL packages, scripts and batch files
- Created Minutes of Meeting (MOMs) and transformed them into structured DevOps user stories, enabling agile development tracking and streamlining project management
- Developed user flow diagrams to visually document and define process workflows, enhancing clarity and alignment for system functionality
- Provided client support for 3 clients using legacy CPG system running on Oracle Forms & Reports and Microsoft SQL Server, resolving 20+ issues and ensuring smooth system operations

Software Developer Intern

May 2023 - August 2023

Astrolabe ICT – Beirut, Lebanon

- Contributed to Agile development processes, participating in sprint planning, stand-ups, and retrospectives for over 100+ hours, ensuring timely delivery of project milestones
- Designed Persona workbenches, conducted process functional analysis, and created user flow diagrams using Figma, improving cross-functional alignment and design efficiency
- Documented application processes and technical workflows, ensuring clarity and transparency for stakeholders and team members

Web Development Intern

September 2022 - December 2022

Technocity – Beirut, Lebanon

- Developed responsive web pages using PHP, HTML, CSS, JavaScript, and Bootstrap ensuring mobile optimization and cross-device compatibility for seamless user experience
- Wrote scalable and reusable code following best practices, improving code maintainability and reducing future development effort
- Collaborated with cross-functional teams to track progress, implement adaptive design principles, and enhance usability and user engagement

EDUCATION

Master's in Data Science (M2)

2024 - Present

Lebanese University, Faculty of Sciences - Hadath

- Coursework aligned with global technology standards, focusing on Machine Learning, AI, Data Processing, and Predictive Modeling, integrating research and practical applications through real-world projects

Bachelor of Science in Computer Engineering

2019 - 2022

Lebanese International University – Beirut

Full Scholarship | Graduated with Distinction | GPA: 3.57/4

- Gained expertise in Web Development, Software Application Design, Data Structures, Communication Networks, and Mobile Development

EXTRA CURRICULUM

Advanced Full Stack Development with AI Bootcamp

May 2025 – August 2025

OnRamp Academy, Forward Mena – Online Live Sessions

- Coursework covers topics ranging from soft skills to technical skills, including Communications for tech seniors, AI, Frontend (ReactJS), Backend (NodeJS), Database, Docker, Cyber Security, Git and GitHub, Testing and QA, Introduction to DevOps, and Agile methodology

Frontend Web Development Bootcamp

September 2022 – January 2023

Re:Coded Academy – Remote (Global non-profit organization registered in New York)

- Completed a 5-month immersive bootcamp with 300+ hours of project-based learning, mastering frontend libraries and frameworks (ReactJS, TailwindCSS, i18next, Firebase) and utilizing Git and GitHub for version control and collaboration

PROJECTS

FilmFrenzy Web Application

December 2024 - February 2025

Academic Project, Lebanese University – Full Stack Developer

- Developed a movie discovery platform using ReactJS, PHP, and Bootstrap, with dynamic search, content display, mobile responsiveness, and an intuitive UX across all screens
- Integrated The Movie Database (TMDB) API to fetch real-time movie and actor information
- Implemented OAuth-based authentication to manage user sessions securely

RefuBook Web Application

December 2022 - January 2023

Bootcamp Capstone Project – Full Stack Developer

- Developed the front-end interface using ReactJS, Redux, and TailwindCSS, managing dependencies with npm and yarn, and transforming design mockups into dynamic, responsive web pages
- Implemented backend architecture using Firebase, handling authentication, internationalization (i18next), and performance optimization
- Optimized performance and debugging by writing and executing test cases, ensuring a seamless user experience through rigorous testing and error resolution
- Utilized Git & GitHub for collaboration and version control, following Agile development practices

VisitLebanon Web Application

February 2022 - June 2022

Senior Project, Lebanese International University – Full Stack Developer

- Designed and developed a structured database using MySQL, enabling efficient data storage and retrieval
- Built a PHP/MySQL backend, ensuring modular, testable, and scalable architecture
- Created a responsive front-end interface using HTML, CSS, and JavaScript, ensuring cross-device compatibility

SKILLS

Technical Skills

- **Web & Mobile Development:** ReactJS, React Native with Expo, TailwindCSS, Bootstrap, jQuery, HTML, CSS
- **Backend Development:** Node.js/Express, PHP, MySQL, Firebase, Oracle APEX, Sequelize ORM
- **Programming Languages:** Java, Python, C, JavaScript, PL/SQL, Linux
- **Databases & Tools:** Oracle DB, Microsoft SQL Server (MSSQL), Git, Azure DevOps, npm, yarn
- **Legacy Systems:** Oracle Forms & Reports
- **Code Quality & Best Practices:** Code reviews, readability, maintainability, and adherence to best practices

Soft Skills

- Problem-Solving, Analytical Thinking, Strong Communication
- Teamwork, Agile & Scrum Methodologies
- Attention to Detail, Adaptability

Languages

- Arabic: Native (written and verbal)
- English: Fluent (written and verbal)

CERTIFICATES & WORKSHOPS

Build with AI Workshop

Google Developer Group (GDG) Beirut – April 2025

Attended a full-day workshop on AI and OpenAI technologies, gaining insights from industry experts

Oracle APEX Cloud Developer Certified Professional

Oracle – September 2023

Mobile Application Development Course

Digital Opportunity Trust (dot. Lebanon) – August 2022