Nada Moughrabi

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EDUCATION

Beirut Arab University — Beirut, Lebanon
Bachelor of Science in Computer Science — *Sep. 2020 – Aug 2023*

ITAJ College — Beirut, Lebanon
Associate's in Graphic Design — *Sep. 2020 – Aug 2022*

EXPERIENCE

Technical Team Lead — June 2024 – Present
Herrontech — *Boston, MA, USA*

- Directed full-stack project execution by serving as the central liaison between business owners, UI/UX designers, and frontend/backend development teams, ensuring clear communication and alignment on project goals and requirements.
- Architected and blueprinted the entire backend infrastructure using a microservices architecture; designed and documented RESTful APIs, system integration flows, and data models to provide a scalable technical roadmap for the team.
- Orchestrated the agile development cycle by decomposing blueprints into actionable tasks, assigning them based on team capacity and expertise, enforcing version control best practices, and conducting thorough code reviews to maintain high-quality standards.
- Drove project delivery by proactively identifying technical blockers, facilitating cross-functional solutions, and continuously monitoring progress against timelines to ensure on-time milestone completion.

Backend Developer — May 2023 – June 2024
Herrontech — *Boston, MA, USA*

- Developed and deployed robust, scalable backend services and RESTful APIs within a microservices architecture, translating assigned tasks into clean, well-tested code that met project deadlines.
- Engineered high-performance database schemas and optimized complex queries to ensure system reliability, speed, and efficient data processing.
- Collaborated within an Agile team by actively participating in code reviews, troubleshooting system integrations, and working with front-end developers to ensure seamless end-to-end functionality.

Web Development Internship — July 2022 – November 2022
Joylab — *Montreal, QC, CA*

- Developed and maintained dynamic web application features using Laravel, implementing MVC architecture for clean, organized, and scalable code.
- Proactively identified and resolved bugs across the application, and refactored legacy code to enhance performance, stability, and maintainability.

Founder and President of LCPC Club — October 2021 – Present
Beirut Arab University — *Beirut, Lebanon*

- Founded and led the university's LCPC (Lebanese Collegiate Programming Contest) club, developing a structured curriculum and delivering weekly workshops on advanced algorithms, data structures, and problem-solving strategies to prepare students for competition.
- Mentored a cohort of over 200 members through hands-on coding sessions and mock contests, enhancing their technical proficiency in critical areas and successfully training multiple teams for regional ACPC/LCPC competitions.

Projects

Aomie, Medical Cannabis Marketplace | *Node.js, MongoDB, React.js, TravisCI, Git*   June 2024 – Present

- Led the technical development of three Progressive Web App (PWA) portals using a microservices architecture, ensuring scalability, performance, and modularity.
- Designed and oversaw RESTful API architecture, enabling efficient communication across services and seamless integration with frontend and third-party systems.
- Acted as the primary coordinator between backend, frontend (UI/UX), and business teams to align technical implementation with product goals and user needs.
- Mentored a team of developers, conducted code reviews, and enforced best practices to maintain high standards of code quality and delivery timelines.

Connect, Social Media Platform | *Node.js, MongoDB, React.js, TravisCI, Git*   December 2023 – June 2024

- Developed and maintained RESTful APIs for core features including one-to-one and group chat, voice calls, and video calls.
- Implemented media upload and sharing functionalities for photos and videos, enabling seamless user interaction and content delivery.
- Optimized backend performance and scalability to support real-time messaging with end-to-end encryptions and multimedia communication.

Technical Skills

Languages: JavaScript, Java, Python, MongoDB, C/C++, SQL, HTML/CSS,
Frameworks: Node.js, SOAJS, Laravel, Bootstrap, WordPress
Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, Amazon Web Services, VS Code, Visual Studio