

Dana Hassan

Biomedical Engineer | Product-Oriented R&D Engineer

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SUMMARY OF QUALIFICATIONS

Analytical and versatile Engineer with 7 years of experience at the intersection of biotechnology, digital systems, and process optimization. I offer a unique dual-language capability: the technical rigor to translate complex scientific/engineering requirements into functional product specifications, and the communication fluency to manage high-stakes user engagement and CRM workflows. Having successfully navigated environments from global tech leaders like Expedia Group to deep-tech innovators like Cherry Biotech, I bring a structured, data-informed approach to digital platform growth and product leadership.

PROFESSIONAL EXPERIENCE

- Researcher, American University of Beirut**, Beirut, Lebanon Oct 2025 - Present
- Spearheaded research on CRISPR-based biosensors and oncology diagnostics.
 - Managed complex experimental workflows, translating high-level research objectives into structured technical protocols.
 - Analyzed large datasets to drive decision-making for diagnostic tool optimization.
- R&D Engineer (Marie-Curie H2020 Fellow), Cherry Biotech SAS**, Paris, France Mar 2021 - Feb 2024
- Led validation of a microfluidic platform, ensuring reliable synchronization between hardware and software components.
 - Tested and verified platform features against expected functional outcomes, ensuring alignment with product specifications.
 - Identified system inconsistencies and collaborated with engineering teams to support iterative product improvements.
 - Contributed to system-level troubleshooting, improving overall platform reliability and user experience.
 - Translated experimental results into structured feedback to guide development and optimization decisions.
- Lodging Partner Associate II, Expedia Group**, Prague, Czech Republic Sep 2018 - Jul 2019
- Utilized Salesforce to manage partner interactions, track inquiries, and support client lifecycle processes.
 - Onboarded hotel partners onto internal platforms, ensuring smooth activation and adoption.
 - Monitored partner performance metrics and identified drops in engagement and visibility.
 - Provided data-driven recommendations, including targeted marketing campaigns and website optimizations to improve partner performance.
 - Acted as a key point of contact for partners, aligning platform capabilities with business needs and growth objectives.
- Customer Support, Nespresso Brand**, Beirut, Lebanon May 2015 - Aug 2017
- Delivered personalized customer experiences, identifying needs and recommending tailored product solutions.
 - Built strong customer relationships, contributing to customer retention and satisfaction.
 - Gathered customer feedback and insights to support sales strategies and improve service delivery.

EDUCATION

- Master's Degree in Biomedical Engineering and Clinical Technology**, Czech Technical University in Prague | 2017 - 2019
- Bachelor's Degree in Computer and Communications Engineering (Minor in Biomedical Engineering & Biomedical Sciences)**, American University of Science and Technology, Beirut, Lebanon | 2011 - 2016

CORE SKILLS & EXPERTISE

- Product requirements, Functional specifications, User workflows, Feature documentation, & Product validation
- User engagement analysis, Performance monitoring, Data interpretation, Partner onboarding, & Platform adoption
- Salesforce, CRM workflows, User lifecycle tracking, Reporting & insights, Stakeholder communication, Product walkthroughs, & Client interaction
- System integration testing, Hardware/software validation, Troubleshooting, Data analysis, & Cross-functional coordination
- Languages: Arabic (Native), English (Fluent)