

Nada Zarzour

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SUMMARY

Senior Software Engineer and Team Lead with 12+ years of experience designing, modernizing, and leading enterprise backend systems. Expertise in distributed systems, REST API architecture, data platforms, microservices, workflow automation, and enterprise application development.

Currently leads engineering for Revinate's Customer Data Platform (CDP), combining hands-on architecture and technical ownership with hiring, mentoring, and leadership of globally distributed engineers. Strong experience with Java, Spring Boot, Neo4j, OpenSearch, ScyllaDB, Apache Kafka, AWS, and REST APIs, complemented by an earlier background in .NET, identity and access management, and workflow systems.

SKILLS

Backend & APIs: Java, Spring Boot, .NET C#, ASP.NET Core, ASP.NET MVC, REST APIs, Swagger / OpenAPI

Databases, Search & Data: SQL, Neo4j, Graph Databases, OpenSearch, ScyllaDB, NoSQL, MySQL, PostgreSQL, Entity Framework Core

Cloud & Distributed Systems: AWS, Apache Kafka

DevOps & Infrastructure: Docker, Kubernetes, GitLab CI/CD

Security & Identity: OAuth 2.0, OpenID Connect

Testing & Quality: Unit Testing, Integration Testing, Functional Testing

Engineering Practices & Tools: Agile Software Development, Scrum, Jira, Business Process Management

EXPERIENCE

Senior Software Engineer / Team Lead

CME Offshore - Client: Revinate

April 2021 - Present, Beirut, Lebanon

- Built and led a globally distributed engineering team, owning technical interviews and hiring, mentoring engineers, guiding design and implementation decisions, and providing hands-on leadership across complex, high-impact initiatives.
- Owned the technical delivery of backend services and APIs powering Revinate's Customer Data Platform (CDP), leading the design, development, and evolution of distributed systems built with Java, Spring Boot, Neo4j, OpenSearch, ScyllaDB, Kafka, and AWS.
- Drove architecture and technical decisions for scalable, maintainable, and performance-focused REST APIs supporting complex customer-data and product requirements.
- Modernized the CDP API architecture by leading the transition from GraphQL to Java Spring Boot REST APIs, evaluating technical constraints and product requirements and redesigning the API layer to provide greater flexibility, maintainability, and alignment with business needs.
- Aligned engineering execution with product and customer priorities, collaborating closely with Product, QA, and other cross-functional stakeholders to translate requirements into technical solutions while managing delivery timelines and customer commitments.
- Led the design and implementation of a post-merger data integration platform, migrating Property Management System data from Navis to Revinate through both real-time synchronization and one-time historical migration workflows using Java, SQL, Kafka, AWS S3, and related cloud services.

Senior Software Developer / Systems Developer

CCT / Consolidated Contractors Company (CCC)

January 2017 - March 2021, Beirut, Lebanon

- Modernized legacy enterprise platforms by leading the design and backend implementation of Project Aurora, introducing a microservices-based architecture and building REST APIs, services, and database components for VBC Aurora.
- Led the technical evolution of workflow automation through VBC BPM, translating stakeholder requirements into configurable workflows, dynamic forms, approval processes, and task-driven business functionality.
- Simplified access to business workflows by leading development of VBC BPM Lite, an ASP.NET MVC application for submitting forms and managing assigned workflow and inbox tasks.
- Strengthened application security by implementing a Secure Token Service, using IdentityServer4, OpenID Connect, and OAuth 2.0 across ASP.NET Core applications.
- Modernized internal Project Control systems after transitioning to CCC, contributing to applications including the company's timesheet and Work Face Planning platforms.
- Led major EDMS and business digitization initiatives, providing technical direction across internal automation and enterprise system modernization efforts.

Junior Software Developer

CCT

June 2014 - December 2016, Beirut, Lebanon

- Built core enterprise document-management capabilities as part of the VBC EDMS team, contributing to electronic record management, document lifecycle functionality, role-based access control, and version history.
- Designed and implemented VBC Scheduler, an enterprise scheduling and action engine for automating jobs on predefined schedules or triggering actions on demand, while collaborating with stakeholders to define functional requirements.

EDUCATION

Bachelor of Science in Computer Science

American University of Beirut (AUB) • Beirut, Lebanon • 2014