Omar Rami Kamaleddine

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RESUME

Full-Stack Java Developer with 1.5 years of experience specializing in transforming telecom engineering platforms into efficient, cloud-ready web applications. Demonstrated strong expertise in Java, Vaadin 14, Spring Boot, and SQL, with a proven record of delivering reliable, high-performance solutions for major telecom operators such as OmanTel, Zain Group, and Ooredoo. Adept at maintaining development precision, applying best coding practices, and ensuring seamless collaboration across technical teams to drive business success.

Technical Environement

- **Languages & Frameworks:**
  Java 8, Spring Boot, Spring MVC, Spring Security, Hibernate (JPA), Vaadin 14, Maven, OOP Principles, SOLID, Design Patterns.
- **Databases:**
  Oracle, MySQL, PL/SQL, Views, Query Optimization, Database Design, Data Migration (Oracle → MySQL).
- **Frontend:**
  Vaadin 14 Components, HTML5, CSS3, JavaScript, Google Maps API.
- **Architecture & Concepts:**
  MVC, Microservices, Modular Application Structuring, Dependency Injection, Clean Code.
- **Version Control & CI/CD:**
  Jenkins Pipelines, Apache Tomcat, TortoiseSVN.
- **Project & Collaboration Tools:**
  Jira, Agile, Scrum Methodology.

EXPERIENCE

Mobinets / Nuiva| Backend Developer   Tripoli | *Mar / 2024 – Present*

- **Led the backend modernization** of large-scale telecom engineering platforms, migrating legacy desktop systems into **Spring Boot + Vaadin 14** web applications.
- **Engineered robust backend services** using **Java, JPA, and SQL**, ensuring scalable data processing, clean architecture, and seamless integration with existing telecom systems.
- Collaborated in **integrating backend APIs with Vaadin 14 UI components**, ensuring efficient data binding and smooth frontend-backend synchronization.
- Developed modular, responsive UI components in Vaadin, delivering intuitive and efficient user experiences for telecom professionals.

- **Maintained and enhanced core modules**, resolving bugs, implementing new features, and refactoring code for performance and maintainability.
- **Trained and supervised junior developers and trainees**, currently **managing a 5-member team** to ensure quality delivery, code review consistency, and adherence to clean coding practices.
- Contributed to **major telecom projects** for clients such as **OmanTel and Zain Group**, ensuring high availability and business continuity in production environments.

Muslim Scout Association| Back-End Developer   Tripoli | *August 2022 – 2023*

- Developed a comprehensive website using PHP Laravel to manage quizzes and data for the Muslim Scout organization.
- Designed intuitive user interfaces, receiving positive feedback from Scout Leaders for usability.
- Streamlined administrative tasks through the platform, enhancing productivity and engagement.
- Contributed technical expertise to a community I've been part of for over 10 years.

Selected Projects

UCMDB Inventory Application   *Mar / 2024 – Present*
Duration: 2 years | **Role Progression:** Junior Developer → Mid-Level Developer | **Team Size:** 6 engineers
Clients: Omantel, Ooredoo.

Context:
Development and deployment of **UCMDB Inventory Application**, a central system controlling the full inventory of telecom network nodes, configurations, IP data, and utilities across multiple operators.

Responsibilities & Contributions:

- Participated in the **entire application lifecycle**, starting from **database design**, **data model creation**, and **entity relationships** to implementing complete **backend logic** and **frontend interfaces**.
- Developed and optimized core modules handling **telecom node configurations** (BSC, BTS, MGW, Radio Antennas, Transmission Links, IP Management, DHCP systems).
- Implemented **custom Vaadin 14 components** such as IP address fields, dark mode switchers, editable forms, and search panels for enhanced usability.
- Designed **backend services and repositories** using **Spring Boot, Spring Data JPA**, and **Hibernate**, ensuring clean architecture and efficient queries for large datasets.
- Integrated **Google Maps API** for visualization of radio and network nodes.
- Managed **RESTful service endpoints**, **validation layers**, and **business logic** for configuration management.
- Contributed to **deployment, maintenance, and support** phases for **Omantel** and **Ooredoo**.
- Trained and supervised **5 new team members** (developers, QA trainees, and interns), providing guidance on coding standards, database structure, and application architecture.
- Acted as **link between project management and the technical team**, handling **task distribution, Jira ticket management**, and **technical interviews** for newcomers.
- Ensured **continuous improvement**, applying **clean code, SOLID principles, and design patterns** for system scalability and maintainability.

NEP – Network Engineering Platform (Legacy Application Support)   *Jan / 2025 – Present*

Duration: 10 months | **Role:** Backend & Database Support Developer | **Clients:** Zain Group, Ooredoo, Omantel.

Context:
Supported and maintained **NEP (Network Engineering Platform)**, a legacy telecom system used by multiple regional operators for network data management and engineering operations.

Responsibilities & Contributions:

- Managed **user administration modules** and handled **Jira-based support tickets** for backend and database issues.
- Debugged and resolved **critical production issues**, ensuring smooth operation of existing functionalities.
- Led the **database migration** from **Oracle to MySQL** as requested by Ooredoo, rewriting stored procedures, triggers, and data synchronization scripts.
- Improved **system performance** and reduced downtime by optimizing SQL queries and refactoring legacy code.
- Collaborated closely with **QA engineers and DevOps** during migration testing and release cycles.
- Provided post-migration **maintenance, testing support, and technical documentation** for long-term sustainability.

Projects

School Management System   *Mar / 2023 – May / 2023*

- Developed a Java-based school management system to handle student enrollment, course scheduling, and teacher assignments.
- Designed a user-friendly interface and ensured proper data validation and persistence using Java and file storage.

Gym & Mental Health Website   *Mar / 2023 – May / 2023*

- Collaborated within a team of 5 to design and develop a fully responsive website focused on promoting fitness and mental health awareness using **HTML**, **CSS**, **Bootstrap**, **JavaScript**, **PHP**, and **MySQL**.
- Contributed to implementing key features including workout plans, mental health resources, blog sections, and user authentication.
- Participated in both frontend and backend development, ensuring seamless integration between the user interface and the database-driven content management system.

EDUCATION

ISAE LeCNAM, Tripoli

- Master of Science in Computer Engineering

Expected Graduation: *Jul / 2027*

- Bachelor of Science in Computer Engineering

Graduated: *2025*

VOLUNTEERING

ISAE Google Developers core team - Lead Tech

Jun / 2023 – Dec / 2024

- Assisted university students in learning Java & Javascript.
- Contributed to community learning sessions/workshops.

Irshad and Islah Association- Media & Communications Support

Jun / 2024 – Present

- Managed and organized media-related data using CSV files, assisting in content tracking, archiving, and reporting for campaigns and events.
- Supported the media team in video editing, illustration design, and photo retouching using tools like Adobe Photoshop, Illustrator, and professional editing software.

Muslim Scout Association – Scout Leader

Jul / 2015 – Present

- Leading and mentoring youth in character-building, community service, and outdoor education as part of the national Muslim Scout movement.
- Organizing camps, training programs, and social initiatives to develop leadership, teamwork, and civic responsibility among members.

LANGUAGES

- Arabic - Native
- English - Fluent
- French - Fluent