

Muneeb Naeem

[LinkedIn](#) • muneeb.naem@gmail.com • [Github](#)

EXPERIENCE

Software Engineer

July 2023 - Present

Dubizzle

- Spearheaded the development of a multi-tenant CRM using React and Node.js, creating a modular architecture that supported 15+ country-specific configurations and reduced code redundancy by 40% through reusable components.
- Led the Arabic translation of the entire website using React-i18next, implementing RTL layouts and locale-aware components, increasing MENA user engagement by 65%.
- Developed React-based analytics reports using Ant Design graphs, charts, and virtualized lists, optimizing performance for large datasets, enabling stakeholders to analyze market trends 3x faster, and contributing to BAYUT's 22% market share growth in KSA against AQAR.
- Redesigned BAYUT's contract flow from scratch using React and Node.js services, implementing real-time document validation, reducing processing errors by 90%, and improving user task completion speed by 35%.
- Led the migration of OLX's 10M+ user platforms to React 18 and v2 environment, leveraging lazy and dynamic loading, suspense, and optimization techniques for seamless UI rendering. Integrated React Query for race condition avoidance and caching frequently requested APIs, achieving 0.2s interaction latency and directly contributing to OLX-PK's highest recorded profit..
- Built high-performance Node.js and Express.js services, handling over 10K RPM for BAYUT and OLX's listing flows. Implemented role-based access control, JWT authentication, and MySQL query optimizations with indexing and query tuning, reducing API latency by 58%.
- Designed optimized Elasticsearch mappings with custom analyzers and tokenizers for Arabic text search, achieving 95% query accuracy. Integrated results into React filters, ensuring response times under 200ms and increasing user retention by 80% in MENA markets.
- Implemented CI/CD pipelines, reducing deployment cycles from 2 hours to 8 minutes, enabling zero-downtime releases, faster updates and higher availability.
- Developed internal NPM packages to handle tenant switching with single login without session management, preventing past-meeting creation and infinite recurrences. These packages were adopted by other teams as well, standardizing development practices and reducing onboarding time by 30%.
- Interviewed and mentored junior engineers on best practices, clean architecture, and design patterns, improving team velocity by 29%.

Software Engineer

June 2022 - May 2023

Shell Software Enterprise

- Optimized performance-critical modules of a SaaS application by integrating C++ with Node.js using N-API, reducing processing time by 82% and memory usage by 44% through efficient memory management techniques.
- Developed high-performance C++ utilities to handle computationally intensive tasks, exposing them to Node.js via native addons, improving data processing speed in real-time analytics pipelines and reducing API response times by 77%.
- Refactored legacy C++ modules to enhance maintainability, efficiency and modularity by applying SOLID principles, advanced data structures and improving test coverage, leading to a 40% reduction in bug rates and faster feature development cycles.

Freelancer

May 2021 - Present

Upwork

EDUCATION

National University of Computer and Emerging Sciences | Bachelor of Science in Computer Science

- Web Programming, Computer Networks, Databases, Data Structures, Algorithms
- *President*, FAST Literary Society

SKILLS

Web engineering | Javascript | Typescript | C++ | Node.js | React.js | Express.js | Rest apis | Elasticsearch | MVC | SQL | NoSQL | Redux | Tailwind | Ant Design | Design Patterns | Clean Architecture | Git | CI/CD | AWS