OMAR ASSAF

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Software Engineer

Skilled software developer with 4 years of hands-on experience providing design and development services for the web, using NextJS, React, TypeScript, NodeJS, Express, Python, QraphQL, SQL, and MongoDB. Expertise in using modern Software Development Life Cycle methodologies, industry best practices, clean architecture, and design patterns to deliver high-quality, secure solutions in high-performance environments.

Front-End Development • Object-Oriented Principles • Design Patterns • Microservices
Database Design • Software Development Life Cycle • Team Collaboration • Testing

Languages: JavaScript, TypeScript, PHP, Python, Java
Web: jQuery, HTML5, CSS3, SASS, React, NextJS, Angular, XML
Web Services: REST API, JSON, Microservices, SOAP
Web/App Servers: Nginx, Apache/Tomcat
Frameworks: NextJS, Angular, FastAPI, Spring (MVC, Boot, Dependency Injection)
Databases: MySQL, PostgreSQL, MongoDB
Design Patterns: MVC, Singleton, Prototype, Observer, Session, Session Factory, Strategy, Decorator
SDLC: Agile, Waterfall
Tools: VS Code, IntelliJ, Eclipse, Git, JIRA, Postman, Android Studio, Docker
Platforms: Mac OS, Linux, Windows, iOS, Android

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

OPTIMUM PARTNERS • 2021-2023
Staffed augmentation company.

Software Engineer
Outsourced for US-based Hearst Media Monetization – Ad Product and Tech team.

- Developed web applications using NextJS and React, leveraging powerful features to build responsive, interactive user interfaces with GraphQL on the server side.
- Proficient in testing React components and application functionality using tools like Jest and React Testing Library.
- Implemented responsive web applications that deliver seamless user experiences across devices and screen sizes.
- Set up CI/CD pipelines using tools like GitHub Actions to automate the build, test, and deployment process.
- Ensured websites adhered to WCAG guidelines, making them accessible to a wide range of users, including those with disabilities.
- Developed server-side applications, using the asynchronous, event-driven architecture of NodeJS to build scalable, high-performance web services and APIs. Applied frameworks like ExpressJS to streamline development and enhance code organization.
- Implemented serverless data processing solutions using AWS Lambda and S3, enabling automated file processing, real-time data transformations, and event-driven architectures.

Technologies Used: *VS Code, JavaScript, TypeScript, Python, React, NextJS, NodeJS,* GraphQL, WCAG 2.0, Docker, *SASS, AWS*

DINFFO • **2020-2021**
Startup company building an appointment application for doctors and clinics.

Full Stack Developer
Created a web application that allows patients to book appointments with doctors in Jordan, and doctors to manage appointments, clinic, and staff.

- Proficient in building modern web applications with React, strong understanding of React.JS component-based architecture and virtual DOM.
- Skilled in designing data models, creating, and managing collections, performing CRUD operations, and implementing data validation and indexing for optimized query performance using MongoDB.
- Built efficient backend systems using NodeJS. Developed RESTful APIs, implemented authentication and authorization, and integrated with third-party services.
- Worked with CSS preprocessors like SASS and LESS to write clean, maintainable, and modular CSS code.
- Implemented state management using Redux for complex data flows and application-wide state.

Technologies Used: *JavaScript, HTML, CSS, React,* GraphQL*, VS Code, JIRA, NodeJS, MongoDB, Docker*

PORTFOLIO: https://www.assafomar.com/

ACADEMIC PROJECTS

Maharishi International University, Fairfield, Iowa (2023):
- **Chat Application:** Developed real-time chat software using NodeJS, HTML, and CSS.
- **F1 Application:** Created a MEAN stack application using NodeJS, MongoDB, and Angular.
- **Real Estate Application:** Implemented a program to help real estate professionals and clients manage and access real estate information, by selling, buying, and renting. Used Spring Boot, MySQL, and ReactJS.
- **Online Retail System:** Developed RESTful application using Spring Boot, MVC, and Data JPA, where users can browse and search for items, add to a shopping cart, and place an order.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion June 2025)
Maharishi International University – Fairfield, Iowa

Bachelor of Science in Computer Science (2020)
Applied Science University – Amman, Jordan

PROFESSIONAL DEVELOPMENT

Udemy Courses in NodeJS, React & Java Spring
Certified Web Professional – Web Accessibility Specialist (WCAG)