MOHAMAD MCHAWRAB

Full Stack Developer

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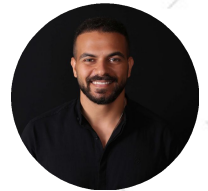
SUMMARY

Results-driven full-stack engineer with over 8 years of comprehensive experience in JavaScript, TypeScript, React, Next.js, Python, and Node.js. Adept at crafting high-performance applications with a demonstrated track record of excellence. Proven ability in end-to-end development, showcasing expertise across diverse technologies and frameworks. Recognized for consistently delivering impactful solutions that enhance overall project success.

SKILLS

Client-Side: HTML CSS/SCSS JS ES6JSX React, Formik/up Redux Redux Toolkit TypeScript MaterialUI Bootstrap.

Server-Side: C/C++ Python NodeJS Swagger REST APIS, AWS Services Locust Traefik GraphQL JWT.

Development & Operations: Prometheus and Grafana Docker for containerization Redis Jenkins, GitLab,Stripe.

Management Skills: Team Player Time management Agile (Scrum).

Machine Learning: TensorFlow Scikit-learn Pandas NumPy Deep learning with neural networks

EXPERIENCE

Full stack Engineer

Amsterdam, Netherlands (Remote)

Drimble World News

2022 - Present

Drimble, the largest hyperlocal news and information website in the Netherlands, attracts over 3 million monthly visitors and receives 15 million page views. As a full-stack engineer at Drimble, I played a pivotal role in shaping its technological infrastructure and contributing to its success.

- Spearheaded the integration of Elasticsearch, implementing a transformative approach to accelerate search functionality for news and companies. Achieved a remarkable reduction in search time from 1.2 seconds to less than half a second, significantly enhancing user experience and retrieval speed.
- Optimized SEO strategies resulting in a substantial increase in views for Drimble. Effectively implemented tactics that enhanced the visibility and reach of the platform, contributing to its broader audience and engagement.
- Implemented robust client-side functionality using Next.js in conjunction with Redux, ensuring efficient state management and delivering a seamless user experience. Additionally, spearheaded unit testing automation using Cypress to ensure the reliability and stability of the client-side components.
- Played a key role in the end-to-end development and maintenance of the Next.js web application, driving innovation through bug fixes, feature enhancements, and the integration of new APIs.
- Architected and implemented unique database structures through PostgreSQL procedures and , seamlessly integrating with multiple APIs.
- Pioneered the optimization of APIs using FastAPI, significantly elevating system efficiency, refining data management, and ensuring flawless integration.
- Implemented comprehensive testing strategies, including pytest, and established pre-commit processes to guarantee code quality before each release, contributing to a robust and reliable system.

Lead Frontend Developer

Beirut, Lebanon

Lereum

2020 - 2022

A pioneering trading platform, Leruem, is currently undergoing construction to redefine your crypto trading experience. Beyond this project, Leruem is committed to delivering a suite of innovative solutions, ensuring a comprehensive and unparalleled trading ecosystem.

- Designed and Developed UI design for over 5 clients using CSS, HTML, React and NextJs; websites scoring over 85 on Lighthouse.
- Contribute in implementing Charts in our system by integrating Trading View platform.
- Responsible for implementing UI mockups, integrating third party react libraries, handling and creating Redux store with high load of data
- Experience in creating connections for HTTP requests using Websockets.
- Cryptocurrencies, order books, wish books, wallets and best third party providers.

EXPERIENCE

Full Stack Engineer

Arcina

Keeling Group is a leading Digital Product Studio in California, helping companies to thrive on mobile apps, the web, VR/AR and IoT.

- Collaborated with a team of healthcare experts to design and develop a SaaS application for insurance companies in Los Angeles.
- Developed the latest user-facing features using ReactJs, React-native, and built reusable components G front-end libraries for future use.
- Implemented REST API using Node.js, Strapi, Express.js.

EDUCATION

M.S. in Computer Science

Beirut, Lebanon
2015 - 2017

Lebanese Unversity, GPA 3/4

KEY ACHIEVEMENTS

Optimized Backend Performance

Reduced API response time by 35% through efficient Python- based microservices and database optimization.

Mentorship and Leadership

Mentored a team of junior developers, improving code reviews and delivery times while fostering a collaborative work environment.

Modernized Frontend Framework

Led the migration from legacy frontend architecture to React, improving UI performance by 40% and enhancing user experience.

Improved Code Quality

Implemented CI/CD pipelines and automated testing (using tools like Selenium,Pytest) reducing bugs in production by 25%.

PROJECTS

News Media Platform

2022 - Present
Amsterdam, Netherlands

Full Stack Developer

- Worked with in an agile team of highly skilled software engineers, designers, and quality assurance engineers.
- Implemented SEO best practices to improve the platform's search engine visibility.
- Conducted performance optimizations to ensure fast loading times and a responsive user experience.
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- Led the end-to-end development of Dimrble.nl, including both front-end and back-end components.
- Integrated secure user authentication mechanisms, enhancing user privacy and account security.
- Implemented a user-friendly interface for seamless navigation and engagement.

Trading Platform

2021
Beirut, Lebanon

Lead Frontend Developer

- Improved code quality, and fixed major and minor bugs in different areas of the trading application.
- Integrated Amplify Authentication services to securely manage user sign-up, sign-in, and password recovery processes.
- Participated in skill-building sessions and workshops
- Implemented real-time store pricing functionality using Redux and WebSocket communication.
- Spearheaded the design and development of order book system.

STRENGTHS

Improved Team Collaboration

Strong personal discipline and mental clarity contribute to better communication and teamwork during agile sprints and project planning.

Enhanced Problem-Solving

Regular strength-building routines have honed my focus, resilience, and ability to handle high-pressure situations effectively.

Increased Productivity

Committed to physical and mental well- being, boosting energy and focus to meet deadlines and deliver high-quality code.