Mahmoud Shaheen

Technical Lead, Head of .Net Development

Passionate Software Engineer with over 9 years of experience in Software Development, Design and Architecture.

Demonstrated success in building and leading dynamic teams, designing and developing enterprise-level systems from inception to polished deliverables.

Renowned for adaptability as both a team player and leader, adept strategic planning abilities, rapid learning aptitude, and seamless knowledge implementation.

Contact

✉ mahmoud_shaheen@live.com

🖥 Website

in LinkedIn

○ Github

📞 +201004701007

Education

ELECTRICAL ENGINEERING, ZAGAZIG UNIVERSITY

Computers & Systems Engineering Bachelor Degree 2017

Info

New Cairo, Cairo, Egypt

Date of Birth: February 12, 1994

Military Service: Fulfilled

Languages

Arabic: Mother Tongue.

English: Professional working proficiency.

Experience

TECHNICAL LEAD, HEAD OF .NET DEVELOPMENT GIZA SYSTEMS
Jan 2023 - Present

- Established and led a cross-functional .Net team from inception, cultivating a collaborative and supportive environment conducive to innovation and growth, fostering a culture of continuous improvement and learning.
- Developed comprehensive team processes to streamline workflows, guarantee the delivery of high-quality software solutions and implement best practices.
- Designed and built frameworks and reusable components, significantly reducing development time, and facilitating the rapid creation of enterprise applications across various architectures and scenarios.
- Took responsibility for designing the software architecture for team projects, ensuring alignment with project requirements, scalability, and maintainability.
- Served as a leader within the team, delegating tasks, offering constructive feedback, assessing risks, and resolving conflicts to maintain project momentum and team cohesion.

SENIOR SOFTWARE ENGINEER, PROJECT DEV LEAD GIZA SYSTEMS
Feb 2021 – Jan 2023

- Spearheaded the design, development, and maintenance of multiple IoT enterprise systems, ensuring seamless operation and scalability.
- Provided pivotal support in devising product development strategies and adhering to project timelines.
- Innovatively addressed business challenges by formulating and implementing creative solutions.
- Directed and mentored team members to optimize collaborative efforts and achieve project milestones.
- Architected robust Big Data Pipelines leveraging diverse technologies to streamline data processing and analysis.

Experience

LEAD SOFTWARE ENGINEER STC (RIYADH HEAD QUARTER)

Aug 2020 – Feb 2021

- Orchestrated the design, development, and upkeep of key systems including Integration System, Monitoring Dashboard, and Notification Platform.
- Implemented innovative solutions to enhance workflow efficiency and productivity.
- Offered technical guidance and mentorship to team members, fostering skill development and code quality through coaching and code reviews.
- Played a pivotal role in strategic product planning and timeline management.
- Delivered comprehensive feedback to top management and provided third-level support to business users.

SOFTWARE ENGINEER STC (RIYADH HEAD QUARTER)

Aug 2019 – Aug 2020

- Gathered, documented, and analyzed requirements from diverse sources to inform development initiatives.
- Designed and implemented integration systems to facilitate seamless communication between disparate systems.
- Led business process automation efforts utilizing RPA and integration technologies.
- Undertook various .NET development tasks, ensuring high-quality code and system performance.
- Provided technical leadership and support to team members, promoting skill development and code excellence.

APPLICATION MANAGEMENT ENGINEER GIZA SYSTEMS

Mar 2019 – Oct 2019

- Conceptualized and developed solutions to automate and streamline repetitive tasks, enhancing operational efficiency.
- Demonstrated Proof of Concept solutions to diverse clients, showcasing innovative problem-solving capabilities.
- Spearheaded Robotics Process Automation workflows and contributed to ongoing business process improvement initiatives.

DEVELOPER, TECHNICAL CONSULTANT FREELANCE

Aug 2015 – Aug 2017

- Collaborated with non-tech companies to devise strategies for leveraging modern technologies to achieve business objectives.
- Optimized existing systems to improve functionality and efficiency.
- Engaged in marketing and business development activities alongside technical responsibilities.

MENTOR MENTORS WITHOUT BORDERS

Sep 2019 – Present

- I contribute to a dynamic team of professionals dedicated to nurturing the next generation of global leaders.
- Guiding and inspiring young professionals worldwide in setting and achieving their career goals.

Skills

- C#, .Net Framework, .Net Core, EF Core,
- Software Architecture, Design, Principles & Patterns,
- Microservices, Domain-Driven Design,
- Microservices Security, OAuth2, OIDC,
- CQRS, Event Sourcing, Distributed Transactions,
- Java, Spring, Spring Boot, Spring Data, Spring Cloud,
- HTML, CSS, JS, Angular,
- Algorithm, Data Structure, Design Patterns, SOLID,
- RPA, Digital Transformation, IOT, Out-Systems,
- Big-Data, HBase, Spark, ELK, Kafka, RabbitMQ.

Familiar With

- Multiple languages: Python, C, C++, VB, PHP,
- MySQL, SQLite, NoSQL, MS-SQL, Redis. Postgres,
- Azure DevOps, Jira, Git,
- Cloud, Networks, Server administration, Docker, K8,
- CompTIA A+, Network+, Linux+, Security+
- Agile, SDLC, Scrum,
- Computer organization, operating system,
- Web Technologies: Node.JS, WordPress, Firebase, SEO,
- Mobile: Flutter, Android, Xamarin.
- Artificial Intelligence, Machine learning,

Projects Highlights

⸎ DOMINOS FRAMEWORK
Jan 2023 – Present
Software Architect, Technical Lead

Dominos is an extensive framework designed to streamline the development of enterprise applications across various scenarios and architectures.
As the Software Architect and Technical Lead for this project, I have overseen the creation of a versatile toolkit that significantly reduces project timelines through a culture of reusability.
From team processes to software design templates, reusable components, and infrastructure provisioning, Dominos empowers development teams to deliver high-quality solutions efficiently.

⸎ KOLNA AMN
Jan 2023 – Present
Software Architect, Technical Lead

The application empowers citizens and residents to contribute to law enforcement efforts, facilitating quicker response times for rescue missions while minimizing damage and losses.
Through an intuitive interface, users receive real-time updates on incidents, access important news, and gain insights into the Ministry of Interior's activities.
The project involved extensive integration with various internal and external systems to ensure seamless functionality.

⸎ REMAT
Jan 2024 – Present
Software Architect, Technical Lead

In collaboration with the Ministry of Municipal, Rural Affairs and Housing, KSA.
This comprehensive smart parking solution revolutionizes traditional parking management systems by leveraging cutting-edge technology to centralize and optimize parking operations.
Through a suite of applications and web portals, REMAT enables efficient monitoring, control, and management of parking areas while ensuring seamless integration with external systems.

⸎ ROBOMAGICA
Aug 2018 – Dec 2020
Software Architect, Technical Lead

Robomagica is an enterprise-grade complete automation ecosystem developed during my freelance engagement.
This versatile automation product facilitates both backend automation through system integration and front-end automation via UI interactions.
It comprises three main components: an Integrated Development Environment (IDE) for developing automated processes, a robot for executing these processes, and a backend system for managing robots and workflow management.

⸎ MODON SMART INDUSTRIAL CITY CONTROL CENTER
Feb 2021 – Jan 2023
Development Lead

Led the development of the Modon Smart Industrial City Control Center, a comprehensive command and control system for the Saudi Authority for Industrial Cities and Technology Zones (MODON).
This project involved managing and controlling over 60 smart cities across different zones in Saudi Arabia. Leveraging a cutting-edge technology stack including Java, Spring, Angular, microservices architecture, cloud infrastructure, Docker, Big Data technologies (Kafka, Spark, HBase), the Control Center provides real-time monitoring, management, and optimization of industrial city operations.

For a comprehensive overview of the projects I have contributed to, please visit my ⸎portfolio.