HUSSAM AL-KHATIB

Software Architect

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PROFESSIONAL SUMMARY

Results-driven Software Architect with extensive expertise in designing and scaling robust distributed systems, microservices architectures, and cloud-native solutions. Proven track record of leveraging modern technologies such as Python, FastAPI, Docker, and Kubernetes to optimize system performance and accelerate product delivery. Adept at leading cross-functional engineering teams and translating complex business requirements into high-performing technical strategies.

WORK EXPERIENCE

Lead Architect • **Global Tech Solutions** **2020 – Present**

Amman, Jordan

- Spearheaded the architectural redesign of legacy monolithic applications into scalable microservices using Python and FastAPI, improving overall system throughput by 35%.
- Orchestrated containerization and deployment pipelines utilizing Docker and Kubernetes, reducing deployment times by 40% and ensuring 99.9% system uptime.
- Engineered cloud architecture solutions that optimized resource utilization, resulting in a 20% reduction in annual cloud infrastructure operational costs.
- Mentored a team of 12+ senior and mid-level software engineers, establishing robust coding standards, architectural reviews, and best practices.

EDUCATION

M.Sc. in Computer Engineering • **University of Jordan** **2020**

Amman, Jordan

CORE SKILLS & EXPERTISE

Architecture & Cloud: Microservices • Cloud Architecture • Kubernetes • Docker • Distributed Systems

Programming & Frameworks: Python • FastAPI • RESTful APIs • CI/CD Pipelines

KEY PROJECTS

Enterprise Cloud Migration (Lead Architect)

Technologies: Python, FastAPI, Kubernetes, AWS

Architected and executed the seamless migration of core enterprise workloads to a scalable cloud environment, enhancing data security and system reliability.

LANGUAGES

Arabic (Native) • **English** (Fluent)