Salah Etma

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Professional Summary

Software Engineer with 5+ years of experience in the architecture and deployment of high-performance microservices and full-stack applications. Proven expertise in engineering scalable system hierarchies using .NET Core, Node.js, and Flutter. Dedicated to building maintainable software via structured telemetry and LLM-assisted development within Agile environments.

Work Experience

Software Developer I
United Wholesale Mortgage - Pontiac, MI January 2025 to Present

- Architected and deployed a containerized IGA/IAM Governance Dashboard using Docker and Kubernetes to automate SOX compliance and User Access Reviews (UAR), reducing manual processing time by 85%.
- Engineered a high-performance microservice engine integrated with SailPoint, ServiceNow, and Google SecOps Chronicle APIs; leveraged parallel programming to bypass rate limits, cutting data retrieval latency by 93% (from 30s to 2s).
- Optimized the IGA Permissions UI through deep-tier debugging and UX enhancements, directly increasing operational efficiency and data accuracy for internal audit and analyst teams.
- Lead a cross-functional migration initiative for the "INTOUCH" mobile app gateway, transitioning legacy V2 services to a modern, Kubernetes-orchestrated V3 microservices framework.
- Institutionalized robust CI/CD standards by authoring comprehensive unit and integration test suites for all Pull Requests, ensuring 100% code coverage and production stability across Dockerized environments.
- Leveraged Generative AI and LLM prompt engineering best practices and MCP servers to accelerate development workflows, ensuring high-accuracy outputs and reducing manual coding overhead for complex infrastructure logic.
- Collaborated with physical security to create an enhanced visitation check-in system, achieving 97% faster check-in time.

Software Engineer
UCAS - Damascus, Syria
January 2020 to December 2024

- Architected and scaled full-stack mobile environments by leveraging Flutter for cross-platform front-ends and Node.js/Python for modular back-end services, ensuring a decoupled and maintainable system hierarchy.
- Designed complex relational schemas and ERDs for MySQL and SQL Server, optimizing data models for high-concurrency access and implementing stateless authentication via JWT to ensure secure, scalable user sessions.
- Engineered a unified observability layer by implementing structured logging and telemetry across the stack, providing deep-tier diagnostic visibility and improving system reliability through data-driven debugging.
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Technical Skills

C#, .NET, Node.js, JavaScript, MySQL, SQL Server, Kafka, Docker, Kubernetes, RESTful, GraphQL Flutter, Dart, GCP, Sailpoint, ServiceNow, Python, Pytorch, AI, LLMs.

Skills

Agile Methodology, Mobile Security, Automated Workflows, UI/UX Design, Automated Testing, Identity & Access Management, API Integration, Database Design

Education

Bachelor of Science in Informatics Engineering, Al-Sham Private University, Syria, December 2024