Amirreza Ghasemi

SOFTWARE ENGINEER

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Summary

Driven Software Engineer with 5+ years in architecting and scaling enterprise-grade IoT, ERP, and FinTech solutions. Proven in modernizing legacy systems and deploying scalable applications processing 1M+ data points daily. Holds foundational blockchain and Web3 knowledge and is committed to integrating emerging technologies. Known for responsibility, effective communication, and high motivation. Experienced in managing data migrations and fostering collaborative teams to deliver client-focused, high-quality solutions.

Skills

- **Programming Languages:** C#, JavaScript, TypeScript , Java
- **Frameworks & Technologies:** ASP.NET Core, Node.js
- **Databases:** SQL Server, PostgreSQL, MongoDB, Redis
- **Frontend Development:** HTML, CSS, React, Tailwind CSS, Bootstrap, jQuery, Razor, Blazor
- **Software Architecture:** MVC, MVVM, Clean, Modular Monolith, Microservices, Event-Driven, DDD
- **API Development:** RESTful APIs, gRPC, GraphQL
- **DevOps Tools:** Git, Docker, Kubernetes, Linux, .NET Aspire
- **Messaging:** MassTransit, RabbitMQ
- **Observability Tools:** OpenTelemetry, Serilog, Seq, Jaeger
- **Authentication & Authorization:** ASP.NET Identity, JWT, Keycloak, SAML, Session-based
- **Security Standards & Tools:** OWASP, ASVS 4.0
- **Testing Tools:** xUnit, Integration Testing, Testcontainers
- **Project Management:** Agile Methodologies, Trello, Jira
- **Reporting:** StimulSoft Reports

Experience

Amard (ERP Software Solutions**) | Senior Developer** **01/2024 to Current**

- Spearheaded the end-to-end development and ongoing maintenance of an ERP platform, managing over 10 modules that enhanced operational efficiency for enterprise clients through tailored feature delivery.
- Orchestrated the seamless migration of 500,000+ financial records from legacy systems to a modern web application, ensured zero data loss and obtained full approval through rigorous user acceptance testing.
- Upgraded legacy systems by migrating from .NET Framework to Core and optimizing 100+ database scripts, reducing query response times by at least 50% and improving system scalability.
- Architected an accounting application from scratch using a modular monolith; integrated GraphQL for flexible data fetching, achieving 60% faster operations, and implemented ASVS principles to enhance security.

Gas Noor Industry (Advanced Metering Infrastructure**) | Product Owner** **04/2022 to 12/2023**

- Pioneered the development of the industry's first smart gas meter as Product Owner, facilitating automated data collection, remote meter control, and a prepaid payment system, eliminating the need for manual intervention.
- Engineered a secure data transmission solution for the National Meter Data Management Platform, standardizing communication across 30 million nodes and reducing battery usage by 40% for end-devices.
- Secured B2B partnerships with European and Chinese entities, driving $10M+ in contracts for advanced metering solutions.

Elin (Enterprise Access Control Solutions**) | Software Development Lead** **03/2018 to 04/2021**

- Revamped automatic fare collection software using Qt/C++, reducing costs and faults by 50% and improving performance by 30%.
- Developed desktop apps (C#, WPF, .NET) for real-time data processing, monitoring, and alerting, reducing errors by 30% and enabling seamless system performance through robust error handling and reporting features.
- Customized a Linux distribution for embedded devices using Buildroot, achieving 70% performance improvement over Windows CE.
- Advised two major railway companies, designing and implementing solutions for public transportation systems, demonstrating expertise in secure and reliable software for smart transit infrastructure.

FANASA (Intelligent Transportation Systems**) | Embedded Software Developer** **01/2014 to 12/2017**

- Led 4-member team supporting 2,500+ RFID/QR metro readers, ensuring 5M+ daily transactions with 99.9% uptime.
- Deployed custom Windows CE 6.0 image for ARM devices, managing full lifecycle (creation to testing) for the nation's largest transportation project ensuring long-term stability.
- Collaborated on the development of an intelligent SCADA interface now supporting 5+ operators, boosting operational efficiency and enabling real-time system insights.

Remote Experience

Inter Global Cargo (Shipping & Logistic**) | Integration Software Developer** **11/2024 to 05/2025**

- Managed and enhanced critical .NET Core app, delivering timely bug fixes and developing key features to improve system stability and functionality.
- Built an ETL integration and RESTful API layer bridging a monolith and microservices using Outbox Pattern and ACL for reliable, decoupled data sync.

Education

ACM (Association for Computing Machinery) **09/2017 to 03/2018**

Java SE, Java EE

Shamsipour Technical and Vocational College **10/2013 to 05/2017**

Bachelor of Science (BSc), Software Engineering