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Arman Arakelyan

Professional Summary

Experienced Full Stack Software Engineer with 5+ years of hands-on development and leadership in cross-platform application design, including custom installers, distributed file systems, and Blazor-based UIs. Adept in C#, .NET, SignalR, and agile development, with proven success in leading teams, delivering scalable solutions, and driving continuous improvement across desktop, web, and mobile environments.

SKILLS

C# / .NET (Core, ASP, Framework)	SignalR
Blazor (Server, WebAssembly, MAUI Hybrid)	RESTful APIs
SQLite & Entity Framework	Windows API, Automation
Quartz.NET, NewtonSoft.Json & NLog	Visual Studio, JIRA, Git
IIS, Kestrel, Apache	MVVM Architecture, Dependency Injection
Fortify and Coverity Security Scans	Agile Development, Collaboration

Work History

Detroit Defense, Remote — *Lead Software Engineer*

August 2024 – PRESENT

- Led design and delivery of 3 core software products, including a reusable installer framework and a distributed file sync client.
- Oversaw roadmap planning, sprint execution, and parallel versioning strategies for production and experimental feature branches.
- Worked directly with stakeholders to define features, prioritize roadmaps, and ensure deployment success.
- Continued hands-on development using C#, .NET, Blazor, and SignalR while mentoring developers.
- Conducted code reviews on Bitbucket and GitLab, promoting clean code and best practices.
- Worked with QA and DevOps to ensure reliable CI/CD pipelines and multi-platform deployments.
- Participated in leadership meetings to align project goals, updates, and risk assessments.

Detroit Defense, Remote — *Software Engineer*

August 2019 – August 2024

- Designed and built a scalable custom installer using C#, Avalonia, and Blazor to replace Wix Toolset and automate machine-specific configurations.
- Engineered a distributed file transfer system for syncing high-volume documents across multiple nodes with checksum validation and metadata indexing.
- Utilized SQLite and Quartz Scheduler for efficient data management and background task orchestration.
- Migrated backend from Java to C# (.NET), enhancing performance and maintainability.
- Transitioned frontend from Vue 2 to Blazor MAUI Hybrid for unified cross-platform UX and mobile support.
- Replaced RESTful APIs with SignalR-based WebSocket messaging for improved real-time local communication.
- Collaborated with QA, DevOps, and stakeholders to ensure stable, secure deployments and effective debugging tools.

EDUCATION

B.S. in Computer Science — *June 2019*

UC Irvine, Irvine, CA