



# Michael Geer

Senior Software Engineer

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## About

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Highly accomplished professional with 20 years of extensive DevOps experience, seeking a challenging software environment to leverage expertise in creating and implementing complex algorithms.

## Experience

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### **Hologic, Inc. - CONTRACT (2023 - Present)**

Senior Software Engineer (L5)

- Designed and developed new UX features for medical instruments to reduce user and processing errors
- Designed and developed a fully automated remote diagnostics utility
- Designed and developed a fully automated translated screen capture utility
- Designed and developed a multi-report viewing web application
- Designed new architecture for existing software to improve efficiency and scalability
- Designed and implemented coding standards to improve code quality and maintainability

### **Kovari Games LLC (2019 - 2023)**

Solo Game Developer

- Designed and developed a full scale RPG adventure game for PC
- Designed and developed all story, gameplay, music, and graphic components
- Used Blender to design 6,597 art assets
- Used Python to automate Blender design
- Used Unity to create 1,313 scriptable objects
- Used Unity to create 143 character animations
- Used Reaper to design 151 sound effects
- Composed dozens of musical pieces
- Designed and developed multiple utilities to automate or simplify various workflows

## IntelliCam LLC (2012 - 2019)

Senior Engineer, Senior Product Developer

- Designed and developed custom turnkey covert surveillance systems
- Designed and developed all hardware, electrical, firmware, software, and mechanical components
- Designed and wrote documentation for all existing and new products

## Key Qualities

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- Better engineering through experience, significant R&D, and leveraging user feedback
- Fast adaptation to new development environments and languages
- Having incredible attention to detail during design, production, QA/QC, and delivery
- Providing professional, thorough, and accurate documentation

## Skills

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**Technical:** C# · JavaScript · Assembly · HTML · CSS · C++ · AHK · Python · .NET · MFC · WPF  
XAML · SQL · Embedded Systems

**Soft:** Advanced Problem Solving · Critical Thinking · Innovation · Product Ownership  
Collaboration · Leadership · Organization · Multitasking · Adaptability · Active Learning  
Technical Documentation · Attention to Detail

## Education

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**Virginia Commonwealth University** · Computer Science

## Personal

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The only thing I love doing more than writing code is traveling. Third is playing and watching disc golf. Any other free time is spent working out, practicing yoga, playing guitar and writing music, playing Catan, following the NBA, and playing classic video games.

Favorite travel destinations: Paris, Bermuda, Kiev, Madrid, Curaçao, Tel Aviv, and Barcelona.

Favorite video games: Halo 2, Super Mario 64, Final Fantasy VI, and Resident Evil.