

Michael Bolton

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EXPERIENCE

Senior Software Engineer	Oct. 2024 - Present
Software Engineer	Oct. 2021-2024
Software Developer	Oct. 2019-2021

Warrant Technologies | Bloomington, IN

- Architected a multilingual SDK in Python, Java, C# that integrated legacy defense systems with a universal command-and-control language, cutting integration complexity by 70% and driving adoption across 12+ platforms.
- Optimized component communications for a system-of-systems architecture, reducing message latency by 35% and enabling real-time interoperability across 8 military command-and-control platforms, demonstrating proven experience in production software engineering.
- Championed the adoption of advanced code review standards and architectural design patterns, directly contributing to a 15% decrease in post-release critical bug reports.
- Led cross-functional design reviews with systems engineers and program stakeholders, aligning software deliverables with defense program milestones and requirements.
- Drove adoption of containerized deployment workflows (Docker, Kubernetes) and CI/CD practices, shrinking release cycles from 2 weeks to 3 days and improving production reliability, while also designing and implementing robust APIs for seamless component integration.
- Designed and implemented automated test suites and validation frameworks for defense integration components, ensuring high-quality code and reducing defect escape rate by 25% for fielded systems.

Application Developer	Jan. 2015 - Oct. 2019
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Meyer Distributing | Jasper, IN

- Partnered with the Auto Care Association to define industry-wide data standards for 800+ automotive manufacturers, raising product data quality by 40% and supporting compliant management of 1M+ SKUs.
- Engineered a data integration pipeline that consolidated 100,000+ products from a corporate acquisition, replacing manual processes and accelerating catalog unification by 80%.
- Delivered 20+ automated SSRS reports consolidating Purchasing, Sales, and Operations data, saving an estimated 12 hours weekly in manual reporting time and enabling faster inventory replenishment cycles.
- Built full-stack web applications with Angular front ends and .NET APIs backed by MSSQL and PostgreSQL databases, supporting internal workflows used by 200+ employees.
- Created reusable data validation libraries and ETL components that enforced Auto Care standards across supplier onboarding, reducing rejected product data submissions by 65%.
- Collaborated with Purchasing, Sales, and Operations teams to translate business requirements into technical solutions, delivering 15+ features that improved inventory visibility and order accuracy.

EDUCATION

Bachelor of Science , Information Technology Vincennes University	Dec. 2020
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SKILLS

- Languages: C#, C++, Python, Java, JavaScript, SQL
- Frameworks & Libraries: .NET, Angular, React, Vue, Node.js, ASP.NET Core
- Data & Databases: MSSQL, PostgreSQL, MongoDB, SQL Server Reporting Services (SSRS), ETL Pipelines
- Cloud & DevOps: Docker, Kubernetes, CI/CD, Git, GitHub, Azure (basic), cloud environments, Cloud Native Compute Foundation
- Practices: System-of-Systems Architecture, SDK/API Design, Data Validation, Automated Testing, Agile/Scrum