

# Christopher M. Beaulieu

Senior Software Engineer | Coconut Creek, FL, USA | +1 (954) 400-9664 | christopher\_m\_beaulieu@outlook.com | cbeaulieu-gt.github.io | linkedin.com/in/christopher-beaulieu

## About

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Senior Software Engineer with 7+ years of experience building and operating scalable backend, data, and analytics systems in enterprise production environments. Proven record of delivering high-impact platforms spanning analytics services, ML-enabled pipelines, internal developer tooling, and CI/CD automation. Strong background in C#, Python, distributed services, and production infrastructure with measurable business outcomes.

## Technical Skills

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**Core Skills:** C# · Python · C++ · SQL

**Frameworks & Backend:** .NET Framework · .Net Core · ASP.NET · RESTful APIs · Analytics Services

**Data:** Model Integration · Data Preparation Pipelines · ML-Enabled Analytics · NumPy · Pandas · SQL Server · PostgreSQL

**DevOps & Tooling:** Windows Server · Git · GitHub CI/CD · GitLab CI/CD · Microsoft Azure · Artifactory · Conan · Linux · Docker

## Professional Experience

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### Intel

Senior Data Analytics Software Engineer

Mar '20 - Oct '25

- Led a team of 4 engineers to build a production analytics platform, reducing time-to-root-cause by ~80% through improved signal identification and data workflows.
- Designed and operated large-scale data and ML-enabled pipelines, including feature engineering (100k+ features) and production model integration, generating \$30M in cost avoidance.
- Built an internal GenAI-powered developer assistance platform using RAG and ChatGPT, improving code discovery accuracy by ~70% and accelerating developer productivity.
- Owned CI/CD and deployment strategy across multiple applications in GitLab/GitHub, reducing deployment time by ~90%, lowering production defects by ~40%, and administering 40+ Windows Servers across geographically distributed sites.
- Integrated SCRUM practices into the team development workflow, increasing sprint velocity by ~45% and improving on-time delivery; mentored 5 junior engineers on development best practices, resulting in improved code quality and team collaboration.

### Intel

Software Engineer

May '18 - Mar '20

- Developed analytics and statistical analysis applications supporting reliability modeling and failure-rate analysis.
- Improved analytical algorithms, achieving 3x performance and reduced defect rates.
- Designed reusable application frameworks for access to backend data services; implemented CI/CD automation.

## Education

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Georgia Institute of Technology

May '18

Master of Science | Computer Engineering

Georgia Institute of Technology

Jan '16

Bachelor of Science | Computer Engineering