

Charles Little

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Software Architect | Principal Engineer | Platform Engineering Leader | Technical Product Owner

Executive software architect, principal engineer, and technical product owner with 20+ years of experience leading enterprise platform architecture, high-scale API design, cloud modernization, and engineering delivery. Expert in C#, .NET, OData, Web APIs, metadata-driven platforms, distributed systems, and AWS-based containerized environments. Proven success guiding globally distributed teams, modernizing on-premises systems for AWS EC2 and EKS, and applying AI and automation to improve operational efficiency, scalability, and business impact.

Professional Summary

- Software architect, principal engineer, and technical product owner with deep experience leading enterprise platforms, modernization initiatives, and globally distributed engineering teams.
- Expertise in C#, .NET, ASP.NET, OData, Web API, distributed systems, metadata-driven architecture, and full-stack application development.
- Proven ability to lead cloud and container modernization, including migration of on-premises solutions to AWS EC2 and Amazon EKS to improve scalability and resilience.
- Demonstrated strong leadership in platform engineering and Agile delivery (SAFe, Scrum, Kanban), with a focus on AI-enabled support automation, stakeholder communication, and operational excellence.

Core Skills

Core Technologies	C#, .NET, ASP.NET MVC, Web API, OData, Angular, React, JavaScript, SQL Server, Oracle, PostgreSQL, Elastic, Python, Autofac
Architecture & Platforms	Software Architecture, Platform Engineering, Distributed Systems, Metadata-Driven Query Engines, Product Ownership, Technical Leadership, Framework Design

Cloud, Containers & Automation

AWS, Amazon EC2, Amazon EKS, Docker, Kubernetes, Git, GitHub, Power Automate, AI, LLM, RAG, Amazon S3, Alibaba OSS, Azure DevOps

Professional Experience

S&P Global Market Intelligence | Software Architect | October 2009 – Present

S&P Global Market Intelligence is a global provider of financial data, analytics, and research supporting investment, risk, and business decision-making.

- Led product ownership and architecture of a high-scale OData Data API (~17M customer / 44M internal daily requests, including real-time and critical data delivery to clients), utilizing the Microsoft OData framework to scaffold a consistent and extensible API surface. Designed a metadata-driven, database-agnostic query and persistence engine spanning Oracle, PostgreSQL, SQL Server, and Elastic. Built a composable, Autofac-based pipeline architecture enabling flexible orchestration of query execution, transformation, and persistence across heterogeneous backends. Integrated document workflows across Amazon S3 and Alibaba OSS, with AI/LLM-powered pipelines for dynamic document classification and transformation.
- Mentored engineering teams and championed modern software engineering and documentation practices aligned with business priorities, architectural governance, and long-term technology strategy with an emphasis on continual growth.
- Led the design and delivery of enhancements and replacements for the company's flagship platform using C#, MVVM, Prism, and Unity, creating a unified framework that accelerated internal content delivery.
- Led cloud and container modernization that migrated key platform capabilities from on-premises infrastructure to AWS EC2 and Amazon EKS, improving scalability, resilience, and deployment flexibility through Docker, Kubernetes, and GitHub-based workflows.
- Led a globally distributed team of 5 developers and 3 QA engineers, supporting 24/7 uptime and reliability of the Data API platform. Developed AI-enabled support and document processing solutions, including a RAG-based Tier 1 support agent leveraging Confluence knowledge and Power Automate workflows to streamline intake, triage, and resolution, reducing the operational load on the engineering team.

Additional Experience

- **AEGON Creditor Resources** – Senior Consultant | August 2007 – October 2009

- **UPS Supply Chain Solutions** – Senior Engineering Consultant (Contract) | Atlanta, GA | March 2007 – August 2007
- **BearingPoint** – Senior Engineering Consultant (Contract) | Atlanta, GA | September 2006 – March 2007
- **BellSouth / MATRIX** – Systems Analyst (Contract) | Atlanta, GA | May 2005 – August 2006
- **3D Performance / BearingPoint / MATRIX** – Consultant (Contract) | Atlanta, GA | March 2002 – May 2005
- **Syncor International / MATRIX** – Senior Software Engineer (Contract) | Atlanta, GA | June 2001 – March 2002

Education

Morehouse College | Atlanta, GA

B.S., Computer Science