

# Michael Mleczek

Systems Architect | Full-Stack Engineer | Data & DevOps Leader

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## PROFESSIONAL SUMMARY

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Results-driven Systems Architect and Full-Stack Engineer with deep expertise designing and delivering enterprise-scale microservice applications and business management solutions. Proven track record across telecom, finance, supply chain, and automotive domains. Equally effective at translating complex business requirements into elegant technical solutions, building responsive UIs, crafting RESTful APIs, and leading cloud-based data pipelines that process tens of millions of records daily.

## CORE TECHNICAL SKILLS

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<b>Languages</b>	JavaScript, TypeScript, Java, SQL, Visual Basic/.NET
<b>Frontend</b>	React, Angular 2+, HTML5, CSS3, Bootstrap 4
<b>Backend / APIs</b>	Spring Boot, Spring MVC, RESTful API Design
<b>AI Development</b>	LLM Integration, Prompt Engineering, Anthropic & OpenAI APIs, AI-Powered Application Design, Retrieval-Augmented Generation (RAG)
<b>Data &amp; Big Data</b>	Cassandra, Spark, HDFS, Data Modeling & Analytics
<b>Cloud &amp; DevOps</b>	Azure, AWS, Production Support, CI/CD
<b>Databases</b>	SQL Server, MS Access, Oracle Financials
<b>Business Domains</b>	Telecom, Accounting & Finance, Automotive Supply Chain & EDI

## PROFESSIONAL EXPERIENCE

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### Senior Lead Architect | **Lumen Technologies** | 2011 – Present

- Engineered and supported an enterprise pricing platform ingesting and processing tens of millions of telecom voice, revenue, and costing data points daily using Java, Cassandra, Apache Spark, and HDFS.
- Designed and built modern, responsive user interfaces for multiple business management applications using React, Angular 2+, Bootstrap 4, CSS3, JavaScript, and HTML5.
- Developed RESTful APIs with the Spring Boot framework to support rich UI functionality and cross-service integration.
- Integrated large language model (LLM) APIs including OpenAI and Anthropic to build AI-powered application features, leveraging prompt engineering and retrieval-augmented generation (RAG) techniques to enhance business workflows.
- Provided production support in a highly complex, large-scale enterprise environment — diagnosing and resolving critical incidents across distributed systems.

### Reporting Integrity Manager | **Global Crossing** | 2004 – 2011

- Led a data mining and reporting team responsible for ad hoc and recurring executive-level reports used by senior management.
- Delivered data analysis for a high-profile litigation matter that resulted in a cash settlement exceeding \$4 million.

- Developed a CDR translation utility in VB.NET that enabled regulatory analysts to interpret vendor CDR files, significantly improving audit and reporting capabilities.
- Automated a multi-day manual PIU filing process, reducing completion time from three days to under one minute.

#### **Customer Service / EDI Systems | Genzlinger | 2002 – 2004**

- Implemented EDI specification changes for automotive trading partners including GM, Chrysler, Honda, Volvo, Lear Seating, and American Sunroof.
- Managed the full SDLC for custom programming projects and oversaw shipping/receiving system deployments.

#### **Earlier Career — Kelly Services (Lead Implementation Analyst) & Compuware (Systems Analyst / International Auditor)**

- Planned and executed a Euro conversion for multiple European accounting subsidiaries under tight deadline constraints.
- Deployed client-server financial accounting systems across eleven countries, managing complex on-site data conversions and historical financial migrations.
- Built interface, billing, and accounting applications in Visual Basic, MS Access, and SQL Server for headquarters and international offices.
- Assisted with Oracle Financials implementations; provided training and guidance to international financial managers.

## **EDUCATION**

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**Bachelor of Business Administration, Accounting** — Western Michigan University, Kalamazoo, MI