CHARLES SEBOLD

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SUMMARY

Experienced **Senior Software Engineer and Technical Lead** with a deep background in **.NET, Node.js,** Angular**,** and **AWS microservices** architecture. Adept at driving event-driven microservices migrations from monolithic systems, mentoring teams, and delivering **scalable, secure applications in both nonprofit and fintech domains**. Over 15 years of success leading teams and developing mission-critical software systems for financial institutions, ministries, and government clients. Excels in AI/MCP/RAG, CI/CD, DevOps, full-stack architecture, and team leadership in both high-stakes enterprise and values-driven environments.

POSITION

Senior Software Engineer, .NET or Node.js APIs, AWS Microservices or Monolithic Self-hosted, SQL or NoSQL

TECHNICAL SKILLS

- **Languages & Frameworks:** C#, .NET Core, ASP.NET, Node.js, TypeScript, Angular with RxJS and ngrx, React, JavaScript
- **Cloud & DevOps:** AWS (Lambda, API Gateway, ECS, DynamoDB, RDS), Azure DevOps, GitHub Actions, GitLab CI/CD, Jenkins
- **Architecture:** Event-driven microservices, RESTful APIs, SaaS platforms, Monolith to Microservices migrations
- **Backend & Language:** Node.js, Express, C#/.NET Core, ASP.NET WebAPI (monolithic API and serverless), LINQ
- **Databases:** SQL Server, PostgreSQL, MySQL, MongoDB, DynamoDB
- **Testing & QA:** NUnit, MSTest, Moq, Jest, Jasmine, Karma, Puppeteer, TDD
- **Tools & Practices:** Docker, Kubernetes, Git, Claude Code, GitHub Copilot, Codex, Agile/Scrum, Kanban, Git, Project leadership & mentoring

PROFESSIONAL EXPERIENCE

Foundry-9 LLC (Consulting)
IT Consultant
October 2025-Present

- Developing Open Source AI Front-end at https://quilltap.ai/ with Tool use, MCP, RAG, and memory support : https://github.com/foundry-9/quilltap and other auxiliary tools: https://foundry-9.com/
- AWS Hosting with database support, Elastic Container Service, S3, DocumentDB (MongoDB)
- Skills : MongoDB, React, Next.js, Node.js, Tailwind, S3, Terraform, Azure, ETL and Data Processing

KingdomWorks
Senior Software Engineer
June 2025 – August 2025

- Architecture for new video class content creator portal
- Mapped out future of video integration, parallelizing conversion to different sizes and bitrates, automatic delivery of the best content to each viewer
- Integrating with Stripe for payments, architecture around payout to content creators

- Extensive work done with GitHub Actions CI/CD integration to put test/build burdens in the right places
- Mentoring, leading daily meetings, sprint planning, and demos
- New features and bug fixes, using TypeScript, SonarQube, GitHub Copilot and other LLM integrations like Anthropic Claude and OpenAI ChatGPT
- Skills : Node.js, Express.js, PostgreSQL, React, Kubernetes, AWS, Stripe, REST, GitHub CI/CD, TypeScript

Huber & Associates
Senior IT Consultant
October 2024 – January 2025

- Established frameworks for a reporting module used by the Missouri State Highway Patrol.
- Designed a proof-of-concept offline synchronization process for tablets, ensuring secure and reliable data handling.
- Ensured security-first design by following modern best practices in authentication and authorization.
- Oversaw project management tasks, conducted code reviews, and led stakeholder meetings/presentations.
- Skills used: Angular 18, ngrx, RxJS, Entity Framework, ASP.NET Web API

Ocelot Consulting LLC (Part of Accenture)
Senior Software Engineer
December 2022 – February 2024

- Designed and implemented a scalable micro-frontend architecture using Angular 16/RxJS and Webpack for dynamic component loading.
- Automated end-to-end testing workflows to enhance reliability and build quality (zero working E2E tests to complete workflow testing in six months)
- Skills used: Angular 16, RxJS, Puppeteer, ngrx, React, Webpack

Stifel Financial Corp.
Application Architect / Senior Developer
October 2018 – November 2022

- Architected, developed, and deployed a scalable, event-driven microservices environment, optimizing legacy applications, using Redis, Checkmarx
- Sole architect and lead developer for a cloud-native investor platform serving 190,000+ users daily, leading a SAFe Agile/Scrum team to consolidate multiple legacy systems into a single financial portal, significantly improving user experiences.
- Built CI/CD pipelines in Azure DevOps, authored performant SQL procedures, and mentored developers.
- Skills used: Redis, Checkmarx, SAFe Agile/Scrum, REST, C#, .NET Core to .NET 6, Angular v5-14, RxJS, Azure DevOps

Lutheran Church – Missouri Synod
Lead Application Architect / Senior Programmer
March 1998 – September 2018

- Led architecture and development of an enterprise-scale statistics and records management system consolidating nearly 70 years of data across 200K+ workers, 8K congregations, and 2K schools, replacing an aging Oracle-based legacy system requiring a desktop application with a web-based system that served thousands of users
- Supervised a cross-functional team of developers and UI/UX designers, managing version control and CI/CD workflows.
- Managed complex data migration from Oracle to SQL Server, refining schema designs and optimizing stored procedures.
- Migrated legacy codebase from Visual SourceSafe to Git with full version history preserved.
- Skills: GitLab CI/CD, Node.js, REST, Angular, RxJS, ngrx, TypeScript, Oracle, MS SQL Server, Splunk, ASP.NET, Git, AD, MongoDB

EDUCATION

Southern Illinois University Edwardsville
- Computer Science, Senior Status Towards B.S. (2004–2005)
- GPA: 4.0

John Brown University
- English Literature, Senior Status Towards B.A. (1989–1991)
- GPA: 3.5

SELECTED REFERENCES

Andrew DeField – Manager at Stifel Financial Corp.
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Ami Parikh – Manager at Stifel Financial Corp.
- Phone: (636) 448-1072
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- Phone: (314) 971-1072
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