

# David M. Stephens

Oxford, CT | Mobile: 860-268-4134 | [resume@davidstephens.tech](mailto:resume@davidstephens.tech) | [davidstephens.tech](http://davidstephens.tech) | [linkedin.com/in/david-stephens-tech](https://linkedin.com/in/david-stephens-tech)

## Summary

---

Highly accomplished and results-driven Principal Software Engineer / Engineering Manager with 20+ years of full-stack development expertise across C#, Java, JavaScript, and SQL. Proven leader with a high EQ, excelling in mentoring, coaching, and managing high-performing engineering teams. Over a decade of hands-on experience designing, developing, and deploying robust, scalable, and secure cloud-native applications on Azure. Adept at architecting complex client/server systems, optimizing database performance, and driving technical innovation. Exceptional communicator passionate about building elegant solutions and fostering collaborative team environments.

## Technical Skills

---

**Languages:** C#, Java, JavaScript, TypeScript, SQL, HTML, CSS, JSON, XML, PHP

**Cloud Platforms:** Microsoft Azure (10+ years experience), AWS and GCP (Transferable)

**Frameworks & Libraries:** React, Angular, jQuery, .NET, .NET Core, JSP, Java Servlets, Node.js

**Databases:** SQL Server, Oracle, CosmosDB, MySQL, DB2, Big Data Stores

**APIs:** RESTful API Design & Implementation, Microservices Architecture

**Tools & Methodologies:** Git, Subversion, Apache, IIS, Tomcat, Unit Testing, Dependency Injection, Agile/Scrum, CI/CD Concepts, Technical Documentation

**Operating Systems:** Windows, Linux, FreeBSD

**Other:** Object-Oriented Design (OOD), System Architecture, Data Modeling, Security Best Practices, Performance Optimization, Scalability, Asynchronous Programming, Event-Driven Systems

## Recent Experience

---

**Cogstate Limited** - New Haven, CT

February 2016 — August 2024

**Principal Software Engineer (Software Engineer Manager)**

C# | Azure | APIs | SQL Server | JavaScript | React | Angular | CosmosDB

- Led and managed multiple cross-functional engineering teams, fostering a culture of high performance and collaboration while working closely with QA and Project Management.
- Mentored and coached junior and mid-level engineers, fostering their professional growth and improving team capabilities and productivity.
- Oversaw code reviews and ensured adherence to coding standards, contributing to a high-quality, maintainable codebase.
- Drove architectural decisions for complex system integrations, ensuring scalability, security, and maintainability across multiple projects.
- Implemented robust CI/CD practices within development workflows, streamlining deployments and improving release reliability for various applications.
- Architected, designed, and developed full-stack web applications, ranging from critical API wrappers to large-scale, cloud-based platforms utilizing client-server communication via APIs and backed by both SQL and NoSQL databases.
- Managed project timelines and resource allocation for multiple concurrent development initiatives, consistently delivering projects on schedule.
- Engineered and implemented a resilient, event-driven transmission system using CosmosDB, ensuring fault tolerance and eventual consistency for critical inter-system communication.
- Pioneered the adoption of new technologies and best practices, continuously evaluating and introducing tools that enhanced development efficiency and product quality.
- Guided technical design and served as team lead for a partially outsourced Android/iOS mobile application project, specifically designing and implementing the robust API server back-end and associated data models.
- Contributed significantly to front-end development using React, Angular, and JavaScript, and back-end development with C# and Azure services.
- Conducted technical interviews and participated in the hiring process, strategically building and expanding the engineering team with top talent.

**Housing Systems Solutions** - Cheshire, CT

September 2013 — January 2016

**Senior Software Engineer**

C# | Azure | APIs | SQL Server | TypeScript | MVC | Kendo | jQuery

- Directed the refactoring of a monolithic server codebase to an asynchronous architecture, resulting in significant improvements in application performance and scalability.
- Introduced and implemented dependency injection to enable robust unit testing and improve code maintainability, using mocking for isolated testing.
- Enhanced logging mechanisms across the production environment, dramatically improving the ability of development operations to swiftly identify and resolve critical production issues.

**Allscripts Corporation** - Farmington, CT

August 2008 — August 2013

**Senior Software Engineer**

C# | IIS | SQL Server | ASP.NET | jQuery

- Developed a dynamic, database-driven web form generation tool that managed both form definitions and data persistence, significantly streamlining content management.
- Engineered a jQuery-based web service system that achieved near-instantaneous page loads by dynamically loading content on demand (scroll/click), drastically improving user experience for large data sets.
- Designed and implemented custom ASP control tags for displaying multi-level, related information with customizable details, enhancing data visualization flexibility.
- Created an automated page data filter system that generated filter queries based on web form fields, supporting multiple, user-specific filter sets stored in XML within the database.
- Designed and implemented a sophisticated time zone handling system, allowing servers to operate in UTC while providing flexible, accurate time displays for global clients, eliminating inter-server clock synchronization issues.
- Optimized numerous database stored procedures and reduced database round trips, leading to notable performance enhancements.

**Older Experience**

---

**IPT, LLC** - Hartford, CT

July 2005 — August 2008

**Senior Software Engineer**

Java | JSP | JavaScript | Oracle | ISS

**Hunt, Leibert, Chester & Jacobson, PC.** - Hartford, CT

November 2003 — June 2005

**Software Engineer**

Java | PHP | ASP.NET | C# | MySQL | SQL Server

**Computer Sciences Corporation** - East Hartford, CT

April 2001 — July 2003

**Computer Scientist / Programmer Analyst**

Java | JSP | Java Servlets | JavaScript | DB2 | Tomcat

**Genaissance Pharmaceuticals** - New Haven, CT

November 2000 — March 2001

**Associate Software Engineer**

Java | Oracle

**Circle.com Incorporated** - Wilton, CT

May 2000 — November 2000

**Associate Software Engineer**

Perl | JavaScript | Oracle | Solaris

**IBM Corporation** - Poughkeepsie, NY

May 1999 — May 2000

**Software Developer**

Java | DB2 | BASIC

**Education**

---

**Post University**

2013

Degree: Bachelor of Science (B.S.) in Computer Science

Focus: Game Development

**Marist College**

2000

Major: Computer Science

Minor: Studio Art

**Certifications**

---

**Google** - Google AI Essentials ([Verify](#))

June 2025

Skills — I have extensive experience working with many technologies.

Artificial Intelligence (AI), Software Development, Software Engineering, Web Development, Architecture, Architectural Design, Application Design, Object-Oriented Programming (OOP), Software Development Life Cycle (SDLC), Fast Learner, Programming Languages, C#, Java, C++, JavaScript, TypeScript, jQuery, PHP, Python, HTML, XML, Cascading Style Sheets (CSS), React, React Native, Angular, Cloud, Cloud Services, Web Services, Cloud Services, Azure, Big Data, NoSQL, CosmosDB, MongoDB, Databases, Data Models, Schema Design, Entity Framework, SQL, SQL Server, T-SQL, MySQL, PostgreSQL, Oracle DB, Web Development, Web Apps, Web Services, Web Applications, Web Application Development, PHP, JSP, ASP, ASP.NET, API Development, API Design, REST APIs, Representational State Transfer (REST), Continuous Integration (CI), Continuous Delivery (CD), Continuous Deployment (CD), Dependency Injection, .NET, .NET Core, Web Services, Apache, Internet Information Services (IIS), Operating Systems (OS), Windows, Linux, Free BSD, Source Control, Repositories, Git, SVN, Team Management, Technology Management, Agile Project Management, Modern Languages, Team Building, Technical Discussions, Distributed Teams, Workload Prioritization, Agile Methodologies, Scrum, Waterfall, Mentoring, Coaching, Technical Leadership, Bachelor of Science, Bachelor Degree, Computer Science (CS), Creativity, Adaptability, Communication, Oral Communication, Written Communication, Documentation, Writing, Problem Solving, Time Management, Planning, Delegation, Problem Solving, Technical Requirements, Dependency Injection, Modular Code Development, Reverse Engineering, Attention to Detail, Emotional Quotient (EQ), Work Ethic, Long-term Vision, Algorithms, Data Structures, Programming, Debugging, Reliability, Project Planning, Design Review, User Experience, Side Projects, Hobby Development, PCB Design, Microsoft Office, Integrated Development Environments (IDE), Microsoft, Visual Studio, JetBrains, IntelliJ, CLion, WebStorm, Assembly Language, Printed Circuit Board (PCB), Parametric Modeling, Logic Design, Software Testing, Front-End Development, Web Services API, Full-Stack Development, Skill Development, Integration Testing, Unit Testing, Technical Design, Software Systems, Analytical Skills, Solution Architecture, Troubleshooting, Leadership, Coding Standards, Best Practices, Optimization, Remote Work, Proactive, Technical Competence, Technical Vision, Cross-Functional Team Leadership, Capacity Planning