

# Derrick Houger

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## PROFESSIONAL SUMMARY

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Senior Full-Stack Software Engineer with 16+ years of experience building scalable web applications, internal platforms, media systems, and complex third-party integrations. Strong background in Angular, TypeScript, JavaScript, React, C#.NET, SQL, REST APIs, microservices, AWS, Azure DevOps, and accessibility-focused UI development. Experienced in production support, third-party integrations, documentation, build automation, and cross-functional collaboration.

## TECHNICAL SKILLS

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**Languages:** C#, TypeScript, JavaScript, Python, SQL, HTML, CSS

**Frameworks & Platforms:** .NET, ASP.NET MVC, Web API, Node.js, React, Redux, Angular, jQuery

**Databases & Data:** SQL Server, MySQL, Redis, DocumentDB, JSON, Lucene

**Cloud & DevOps:** Azure DevOps, Git, YAML pipelines, CI/CD, Linux development environments

**Frontend:** Responsive UI, accessibility, screen reader support, browser dev tools, DOM APIs

**Practices:** Code reviews, documentation, test planning, production support, third-party integrations

**Developer Tools:** GitHub Copilot, CodeRabbit, Visual Studio, VS Code

## PROFESSIONAL EXPERIENCE

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### Senior Software Development Engineer | Webbuy

*February 2022 - May 2026* | Billings, MT / Remote

- Developed and maintained full-stack features across a complex automotive retail platform using Angular, TypeScript, Node.js, GraphQL, MySQL, AWS, and Angular Material.
- Led development of a MarketScan incentives integration, retrieving, categorizing, and displaying complex incentive data within customer-facing deal workflows.
- Built and supported third-party automotive integrations with systems including MarketScan, Motive Retail, DealerTrack, 700 Credit, Plate2Vin, Google Analytics, and Mode Analytics.
- Contributed to DMS deal sync functionality by mapping Webbuy lead and deal data through Motive Retail to downstream DMS providers, including DealerTrack.
- Worked across complex domain models involving deals, pricing, fees, taxes, accessories, finance and lease structures, incentives, protection products, vehicle data, and provider-specific requirements.
- Investigated and resolved production issues involving API payloads, validation failures, data mapping, configuration settings, provider requirements, and integration edge cases.
- Improved administrative and dealer-facing workflows through mobile UI overhauls, trade-in interface improvements, Mode Analytics reporting displays, and other customer/dealer experience updates.
- Collaborated with product, QA, support, and engineering stakeholders to clarify requirements, document behavior, review code, and deliver production-ready changes.

### Software Development Engineer | Black Box Stocks

*May 2021 - January 2022* | Dallas, TX / Remote

- Became productive quickly in a complex user-facing financial technology codebase.
- Implemented product features using C#, JavaScript, React, Redux, and MySQL.
- Improved user experience while preserving existing product workflows, visual consistency, and reliability.
- Tested changes thoroughly to reduce regressions in customer-facing functionality.

### Software Development Engineer | Microsoft, Rack/Chassis Manager Team via Insight Global

*April 2020 - October 2020* | Redmond, WA

- Improved Azure DevOps build automation and CI/CD workflows using YAML pipelines, Python scripts, and Linux-based build/test environments.
- Documented previously undocumented build knowledge and made environment setup and maintenance more repeatable.
- Managed build and test machine resources and created new environments for pipeline integration.

**Software Development Engineer** | Microsoft, Advanced Technologies Group via Protiviti

*January 2019 - June 2019* | Redmond, WA

- Contributed to Xbox Developer Forums as an individual contributor in a collaborative engineering environment.
- Participated in sprint planning, pull request review, test planning, documentation, and build/repository management.

**Software Development Engineer** | Microsoft, Universal Storefronts via Launch Consulting

*June 2017 - August 2018* | Redmond, WA

- Contributed to a web video WYSIWYG module and implemented a discrete user interactivity layer.
- Implemented accessibility requirements for screen readers including JAWS, Narrator, and NVDA.
- Worked within a large engineering team, submitting and reviewing pull requests through Git and tracking work in Azure DevOps.

**Software Development Engineer** | Microsoft, Xbox Live Events via Launch Consulting

*February 2014 - June 2017* | Redmond, WA

- Built and supported a JavaScript/HTML5 live streaming video player for Xbox One, browsers, and mobile devices.
- Developed timing mechanisms for livestream and video-on-demand popups, captions, overlays, and interactive video experiences.
- Created custom UI/UX controls for multiple screen formats and implemented Xbox controller focus functionality for Windows and Xbox One.
- Worked with CDN providers including Akamai and Limelight to support live event delivery.  
Implemented analytics, prepared stakeholder reports, provided live event support, trained users, and reviewed peer code.

**Software Development Engineer** | Microsoft, SQL Server via Wimmer Solutions

*July 2013 - January 2014* | Redmond, WA

- Contributed to corporate tools for yearly budget tracking and server resource tracking.
- Worked on frontend tasks, data binding, testing, wireframes, and user story tracking in TFS.

**Software Development Engineer** | Microsoft, Xbox Video Marketplace via Run Studios

*August 2009 - June 2013* | Redmond, WA

- Served as sole developer for a custom content management system built with C#, SQL, and ASP.NET.
- Created tools to scan, track, and manage media assets received from third-party providers.
- Built interfaces for archivists to enter asset metadata, generate reports, and support media ingestion workflows.
- Designed and maintained the data model and database for asset metadata management.
- Implemented Lucene search for indexing and searching existing assets, trained users, and improved the system based on feedback.

## EDUCATION

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**Bachelor of Science** - University of Phoenix, Phoenix, AZ

**Transfer Credits** - Bellevue College, Bellevue, WA