

# JAMIE HOUSTON

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## PROFESSIONAL SUMMARY

**Software Architect** with 20+ years of experience in **mobile and full-stack development**. I specialize in taking complex enterprise applications and frameworks from conception to production and enjoy challenging roles that involve continuous learning. My recent work in **AI tooling and agent development** complements my deep expertise in building robust, scalable systems from the front-end to the database.

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## TECHNICAL SKILLS

- **Programming Languages:** C#, Java/Kotlin (Android), Python, JavaScript/TypeScript, Objective C, VB.Net
  - **Mobile Development:** Xamarin (Forms, Android, iOS), Android Studio, XCode, Cross-Platform Architecture
  - **Web & Full-Stack:** GraphQL, LWC, LWR, ASP.NET, AngularJS, HTML5, CSS3, jQuery, REST, SOAP, APIs, Bootstrap, Django, Flask
  - **AI Tooling & Agents:** MCP Server Development, LLM Agent Creation (Cursor, Claude Code), AI-Powered Test Automation, Prompt and Command Engineering
  - **Databases:** MS SQL Server, MySQL, SQLite, PostgreSQL, MongoDB, Redis, Google App Engine Datastore
  - **Cloud & Platforms:** Azure, AWS, Docker, Windows, Linux, OSX
  - **Methodologies:** Agile/Scrum/XP, Kanban, TDD/BDD
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## PROFESSIONAL EXPERIENCE

### Lead Member of Technical Staff | Salesforce (Remote) | 2/2016 – Current

- **Mobile SDK Development:** Worked on the development of an offline-capable mobile SDK for Lightning Web Components, enabling seamless native control integration and javascript interoperability.
- **Cross-Platform Integration:** Built and integrated Android, iOS, and Windows applications within the Salesforce ecosystem.
- **AI-Enhanced Development:** Implemented automated rules and documentation generation using AI agents to improve development workflows.

- **Headless V8 (Javascript) SDK:** Worked on a wrapper around J2V8 (V8 with java bindings) to include it in our SDK, allowing javascript to run in a headless V8 engine on mobile. Published an article about my work:  
<https://medium.com/salesforce-engineering/debugging-embedded-javascript-in-a-n-android-app-using-chrome-devtools-8553864ee09c>

#### **Senior Mobile Developer (Contract) | Projekt202, LLC | 6/2015 – 2/2016**

- **High-Performance Mobile Apps:** Optimized a C#/Xamarin application to handle a **20,000 KB/sec** data stream from a hardware device in real time, with real-time statistical analysis and visualization.
- **CPU/GPU Optimization:** Implemented advanced techniques to deliver high performance on constrained mobile hardware.
- **Cross-Platform Architecture:** Delivered performant Android and iOS applications using a shared C# codebase.

#### **Development Lead | Daptiv, Inc | 10/2013 – 6/2015**

- **Team Leadership:** Led a team of six developers in a Kanban environment for a .NET stack with a REST API and AngularJS client.
- **Process Improvement:** Streamlined development workflows and improved code quality standards, resulting in a **25% reduction in bug reports**.

#### **Lead Developer & Architect | Multiple Companies | 2010-2013**

- **Real-Time Systems:** Designed and built a web and mobile ticketing and inventory management system that processed thousands of concurrent transactions.
- **Performance Tuning:** Reduced page load times by **75%** through algorithm optimization and strategic DOM manipulation.
- **Project Leadership:** Managed and delivered projects from conception to production as the sole developer, acting as Architect, DBA, and Project Manager.

#### **Developer, Dev Lead | Diligenz, Inc. | 9/2001 – 9/2007**

- **System Migration:** Led a nine-month project to port a major in-house application from VB6 and VBScript to a modern .NET solution.
  - **Workflow Automation:** Designed and built an automated system for queuing and sending outgoing messages (fax and email) for internal use.
  - **Team Leadership:** Stepped into a lead developer role to manage the team and ensure project delivery.
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## PERSONAL TECHNICAL PROJECTS

### Cross-Platform Barcode Scanner App

- **Goal:** Created a Xamarin app to scan barcodes and display gluten allergen information.
- **Actions:** Developed the app with a Python/App Engine backend, then transitioned to a more scalable .NET/Azure architecture.

### Claude Code/Cursor Repository Optimization System

- **Goal:** Developed a multi-agent system to automate repository setup for optimal use with AI tooling.
  - **Actions:** Built documentation agents to automatically generate and update technical guides and specifications, significantly improving AI-assisted development.
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## EDUCATION & CERTIFICATIONS

### Certifications:

- Microsoft Certified Solution Developer (MCSD) - 2004
- Software Development: Practices and Project Management - University of Washington (2006)
- Object Oriented Analysis and Design - University of Washington (2007)