

# Geoff Cox

Principal Software Development  
Engineer | Lead | Architect

## CONTACT

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## EXPERT SKILLS

- React
- Svelte
- Typescript & JavaScript
- Node
- Azure
- C# & .NET
- ASP.NET MVC & Web API
- SQL

## PUBLICATIONS

- Microsoft's Patterns & Practices: Developer's Guide to Microsoft Prism 4 (Microsoft Press)
- Project Silk: Client-Side Web Development for Modern Browsers (Microsoft Press)

## EDUCATION

- University of Washington  
B.S. Computer Science

## CURRENT WORK

Building the Fluent UI React component library for the Office suite, Microsoft, and the React community. Collaborating with partners across the company to enable the Fluent 2 design system and Copilot.

## EXPERIENCE

- 9/2021 to present **Microsoft Office/Fluent UI**  
Principal Software Development Engineer
- 10/2019 - 9/2021 **Microsoft Azure AI/Language Understanding Intelligence**  
Principal Software Development Engineer Lead
- 6/2017 - 10/2019 **Microsoft Research AI/Machine Teaching**  
Principal Research Software Development Engineer Lead
- 10/2015 - 6/2017 **Microsoft Azure Dev Ops/Visual Studio**  
Principal Software Development Engineer
- 9/2012 - 10/2015 **Microsoft SQL**  
Principal Software Development Engineer Lead
- 4/2010 - 9/2012 **Southworks**  
Principal Software Development Engineer Lead
- 4/2007 - 4/2010 **Microsoft Developer Network (MSDN)**  
Senior Software Development Engineer Lead
- 9/2002 - 4/2007 **Microsoft.com**  
Senior Software Development Engineer Lead

## MAJOR ACCOMPLISHMENTS

- Architected and led an application/research platform for machine teaching including document classification and extraction, labeling and correction, and responsive model retraining. Integrated research advancements into the LUIS product.
- Created StackOverflow@Microsoft, adopted by 30K+ engineers. Recognized company-wide as a key tool for Windows, Azure, and Office groups.
- Built Microsoft's implementation of the OASIS OData v4 aggregation standard.
- Delivered a Visual Studio integrated toolset providing enlistment, code review, and build used across SQL engineering. Also included a parallel, speculative gated check-in system reducing CI build times from 4+ hours to <30 minutes.
- Led SQL TechFest for the entire SQL organization. Managed submission and judging of hundreds of entries, all event logistics, and a personal tour with Microsoft's CEO.
- Delivered the 2012 Olympics real-time streaming voice-over system.
- Delivered a completely new MSDN website including Visual Studio 2010 brand and low bandwidth experiences, last-mile edge caching, and robust transformation pipeline.
- Designed and implemented the central job scheduler and multi-media/home automation hardware controllers for Paul Allen's personal residences worldwide.

## OPEN-SOURCE PROJECTS

- **sterling-svelte**: a modern, accessible, lightweight UI component library for Svelte.
- **react-splitter**: a component for relative resizing visual panes. Adopted by several Microsoft products with ~1.5K downloads/week.
- **pretty-good-nlp**: a deterministic, match-based, recognizer for natural language processing (NLP) scenarios.
- **trie-search**: implements the Trie search algorithm with quick multi-match.
- **BellaCode MVVM** – a WPF library allowing for declarative Model-View-ViewModel in XAML.