SARA CAGLE

Cagle.Sara@gmail.com
+1 720-317-4251
Bellevue, WA, USA

Education

University of Washington   Spring 2021
   – Seattle, WA
- M.S. Human Centered Design & Engineering

Georgia Tech – *Atlanta, GA*   Dec 2016
- B.S. Computer Science
   HCI & Web Technology
- B.S. Applied Language & Intercultural Studies
   Mandarin Chinese

Peking University – *Beijing*   June 2015
- Chinese as a Second Language

Technology

Front-end: JavaScript, TypeScript, Angular, React, HTML, CSS, Sass, WPF/XAML, Browser Extensions

Back-end: C#, Java, Python, Flask, NodeJS, SQL

Cloud: Azure, IBM Bluemix, Cloud Foundry

DevOps: Azure Application Insights, Kusto, PowerBI

Prototyping & Design: Adobe Photoshop, Sketch, Balsamiq, Inkscape, Laser Cutting

Skills

- Written communication
- Attention to detail
- Visual design
- Written documentation
- User interviews

Foreign Languages

- Mandarin Chinese (Advanced, HSK 6)
- English (Native)

Interests

- Teaching and tutoring
- Mentorship
- 3D fabrication
- Painting
- Social media

Front-end developer with a background in HCI and a love for UI/UX and product design. Fiercely passionate about my customers' experience. Transitioning to a program management or more design-oriented role.

Experience

Microsoft *Software Engineer*   Redmond, WA   July 2017 - Present

CSEO - Professional Services - Order to Cash

Delivery Management UX Lead Front-End Dev – Project Aurora/ESXP
- **Scrum master** and **senior** developer for a team of 8 engineers.
- Led the rewrite of a substantial **Angular 1** application, upgrading to **Angular 5** with TypeScript. **Optimized** and abstracted the code, **reduced** duplication and network calls.
- Implemented an **API call-caching and state system** with **Redux**.
- Drove initiative to reduce technical debt.
- Integrated maintenance tools into our build process to force hygiene standards.
- Spearheaded an initiative to write **documentation** for *all* functionality and provide **TypeScript** types.
- Maintained Dogfood, UAT, and Production **environments** for quarterly releases.

SAP Excel Add-On Installer Full-Stack Dev – Project Aurora/ESXP
- Designed, developed, and tested an **installation and troubleshooting** tool for an SAP Office Excel Add-on.
- **Wrote specs** based on technical requirements, conducted **customer interviews**, and collaborated with other teams to understand customer needs.
- Gained fluency in **.NET** front-end technologies, including **C#** and **XAML**, the **MVVM** design pattern, and **WPF** component styling.
- Built and maintain **PowerBI Dashboards** using telemetry collected via Azure Application Insights and Kusto queries, across multiple environments.
- Created **documentation and walkthroughs for non-technical users** and team members on the usage and maintenance of the tool.
- Integrated with VSTS for **CI/CD** tasks, including CodeSigning with certificates.
- **Created value** for public-facing Microsoft Project Managers and their teams to access project financial data, with direct impact for **500+ production users** and internal FTEs.

Rollout on Rails (Office Experimentation) Front-End Web Dev – One Week 2017
- Contributed to the design and development of Rollout on Rails, a **React** web tool that helps Office Experimentation developers set up A/B tests.
- Replaced the previously used Office Control Tower with Rollout on Rails in **production.**

IBM *Extreme Blue Technical Intern*   Raleigh, NC   May 2016 – Aug 2016

Social File-Sharing Service Browser Extension Lead Front-End Dev
- Created a **Chrome Extension** to improve the discoverability of content and collaborators through the IBM Connections internal social platform.
- Rapidly designed, developed, and delivered **micro-services** as an MVP in an agile workspace.
- Developed **NodeJS** middleware to interface with a **Java Spring Framework** backend and graph database stack with Cloud Foundry.
- Designed and developed visual components in the extension which integrated into existing UI.

Valvora (Union Pacific) *IT Intern*   Omaha, NE   May 2014 – Aug 2014

Innovation Station UX Dev
- Developed a dynamic, interactive web UI in Angular 1 to share project proposals and gauge company interest.
- Created prototypes in **Balsamiq**.

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