

SARA CAGLE

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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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教育背景

华盛顿大学 2021 年春天 毕业

人机交互与理工 (理学硕士)

佐治亚理工大学 2016.12 毕业

计算机科学 (科学学士)

• 专业: 人机交互、云端运算

语言及跨文化研究 (科学学士)

• 专业: 汉语

北京大学 2015.06 毕业

• 对外汉语

技术能力

前端: JavaScript, TypeScript, Angular, React, HTML, CSS, Sass, WPF/XAML, Browser Extensions

后端: C#, Java, Python, Flask, NodeJS, SQL

云端运算: Azure, IBM Bluemix, Cloud Foundry

DevOps: Azure Application Insights, Kusto, PowerBI

原型与设计: Adobe Photoshop, Sketch, Balsamiq, Inkscape, 镭射切割

个人技能

- 书面交流
- 写文档
- 注意细节
- 视觉设计
- 用户访谈

语言能力

- 英语 (母语)
- 汉语 (HSK6)

工作经历

微软

2017.07 - 至今

软件工程师

CSEO - Professional Services - Order to Cash

[Delivery Management UX](#) 前端程序员

- 主导原 Angular 1 程序到 Angular 5 的升级、重写及优化
- 使 Angular 5 与 TypeScript 编程最优化, 减少网络调用、屋上架屋、技术债务
- 在持续集成上整合维护工具来强制代码规范, 包括维修 CI/CD 流水线
- 改进文档、加了 TypeScript types
- 管理和维护季度开发的内测, UAT 以及生产环境

[SAP Excel Add-On Installer](#) 全栈程序员

- 主导了一个对 SAP Excel 插件的安装和故障排查程序的设计、开发和测试
- 与客户沟通理解整理程序需求, 编写产品需求文档
- 掌握了 .NET、C#、XAML、MVVM 的设计模式、及 WPF 与 WPF 设计
- 利用 Azure Application Insights 提供的遥测数据建立 PowerBI 仪表盘来检测各个环境的数据
- 写了文档和使用指南
- 使用 VSTS 做 CI/CD 流水线, 包括代码签名
- 影响: 该插件被微软超过 500 个项目经理及其团队使用来查看和分析项目财务数据

[Rollout on Rails \(Office Experimentation\)](#) 前端程序员 - One Week 2017

- 参与了一个 React 网络应用的设计与开发
- Rollout on Rails 对 Office Experimentation 团体有帮助, 做好 A/B 实验
- Rollout on Rails 现在替了以前用的 Office Control Tower

IBM

2016.05 - 2016.08

青出于蓝技术实习

[Social File-Sharing Service Browser Extension](#) 前端程序员

- 开发了 Chrome 扩展程序来增加在 IBM 内部社交平台内容和合作者的可发现性
- 快速设计、编程、及开发微服务
- 团队在一个 Agile 环境分工合作
- 开发了跟 Java Spring 后端与图数据库接口的 NodeJS 中间件
- 设计与开发了在已有程序上的新的视图组件

Union Pacific

2014.05 - 2014.08

系统管理员实习

[Innovation Station UX](#) 程序员

- 开发了一个动态的, 交互的 Angular 1 程序用来分享项目创意以及调查企业兴趣
- 使用 Balsamiq 创建原型