

Matthew Booe

Software Engineer

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About

Software Engineer with 6 years of experience building complex web and desktop user application, as well as scalable developer services for machine learning inference and training. Background in starting and running technical communities and open source projects. With a goal to explore and leverage technologies to make genuine impact on people's lives.

Education

University of Florida • Computer Engineering
Bachelor's Degree • Entrepreneurship Minor
2014 - 2019

Side Projects

- URShort**
A blazingly fast and amazingly simple URL shortener designed for self-hosters • Rust, Docker
- The Force**
A Star Wars themed programming language. All keywords are made up of quotes from the movies and it is fully armed and operational • Rust

Skills

TypeScript • C# • ASP.NET • Rust • Python • Linux • Docker • Visual Studio • Visual Studio Code • Azure • App Services • Storage • Key Vault • Redis • Batch • Data Factory • Project management • Leadership

Interests

Open source software • Self hosting • Community building • Customer feedback • Mentoring • Process improvements

Work Experience

- Microsoft • Senior Software Engineer**
2024 - Present • Redmond, WA
 - Integrated frontend and backend connection for Microsoft Fabric's OneLake experience in Power BI. Required developing and debugging across multiple code repos, with a focus on creating a pleasant user experience
 - Architected key components of the Dax Query View code editor in Power BI. Involved cross team coordination to adapt the code to desktop and web experiences for a seamless user experience
 - Fostered growth minded team culture by running meetings related to, building resources for and collaboratively creating best practices for incident management, product reliability, and bug triage. As well as running a cross team weekly learning series
 - Created Early in Career employee resource group in Azure Data to facilitate networking and learning experiences for new employees

- Microsoft • Software Engineer II**
2021 - 2024 • Redmond, WA
 - Collaborated with data scientists to build machine learning powered Azure services with developer tool integrations serving millions of requests daily within a hundred milliseconds
 - Upgraded internal platform and partner services to use Open Telemetry and comply with all privacy requirements, enabling the team to have consistent and safe access to data and insight to service operations
 - Focused on improving our teams processes and infrastructure such as established creating runbooks to share knowledge at critical moments, investigated build and release system improvements, and streamlined process to improve team efficacy
 - Lead Early in Career employee resource group to onboard hundreds of new hires and provide dozens of hours of interviews and discussions for recent hires to learn from

- Microsoft • Software Engineer I**
2019 - 2021 • Redmond, WA
 - Upgraded and scaled an inference service and Azure CLI integration from dozens of daily requests to hundreds of thousands
 - Built out Visual Studio search inference services in several weeks by leveraging previous work modularizing services and code sharing across the team
 - Mentored dozens of new hires and college students as well as spent several months growing the skills of a service reliability engineer new to the field

Other Experience

- Saber Guild • Performer**
2021 - Present • Seattle, WA
 - Joined not-for-profit, Lucasfilm-recognized Star Wars costuming group that specializes in choreographed lightsaber shows to raise funds for charity
 - Regularly rehearsed, practiced improv and stage fighting, and written and performed scripts

- Open Source Club • Founder**
2016 - 2019 • Gainesville, FL
 - Created club to promote, support, and create open source software among college students
 - Established structure and culture that allowed the club to continue and grow till the present

- Eagle Scout Project • Scout**
2011 - 2012 • Palm Bay, FL
 - Planned, organized, and installed a drip irrigation system for the Lockmar Community Garden, enabling residents to have more precise control of gardens and lowered participation barriers
 - Oversaw more than forty people over the course of hundreds of work-hours