TYLER P. WALKER

Software Engineer & Technical Leader | twalkerweb@gmail.com | www.twalker.dev

Education

Washington State University | August 2012 – December 2017
Bachelor of Science, Computer Science

Work Experience

Microsoft, Redmond, WA
Software Engineer II | Core Services Engineering and Operations
March 2019 – Current
- Designed a self-service platform to automatically rotate pre-shared keys for wireless and IoT devices, reducing the manual hours engineers spend and increasing the company's security posture for non-standard networks
- Led the organization's first major cross-discipline collaboration between network engineers and software engineers, building a dream-state portal for provisioning private network segments in minutes as opposed to months of manual work and low-to-no uniform manageability across various segments
- Brought a common look-and-feel to all of my team's products which had inconsistent designs by enforcing to the company's Fluent design language, improving accessibility and usability across our actively developed products
- Architected a device configuration solution which automated changes to devices leading to a reduction in the work hours required to service devices and an increase in network engineer productivity

SAP Concur, Bellevue, WA
Software Engineer II | Human Capital Management Technology
March 2019 – May 2019
- Responded to the needs to experienced users to build advanced functionality found in the legacy application into the modern UI experience, improving the productivity and overall experience for our users
- Supported a migration from on-premises servers to Amazon Web Services by decoupling our continuous integration and continuous deployments from the company's isolated test environment

SAP Concur, Bellevue, WA
Software Engineer I | Human Capital Management Technology
February 2018 – March 2019
- Contributed to an application that supported the onboarding process for small & medium sized businesses, reducing the time investment required by organizations to begin using the expense product
- Implemented a suite of automated browser tests using Cypress which were used in conjunction with unit tests to ensure that our application's content rendered correctly on different browsers
- Investigated and resolved application performance issues which led to 6x faster client-side rendering improving application responsiveness on older machines

Goldman Sachs, Jersey City, NJ
Summer Technology Analyst | Human Capital Management Technology
June 2016 – August 2016 & June 2017 – August 2017
- Designed and implemented a full-stack employee self-service system to register visitors across all 63 global properties based on technical requirements from security administrators
- Implemented an automated system for digital offer letters integrating with an external candidate tracking system which replaced a lot of physical paperwork and provided more data and insights to the firm's business leaders
- Engineered a tool to store employee feedback after job interviews which ensured interviewers gave structured feedback for recruiters to use during hiring decisions

Washington State University, Pullman, WA
Research & Teaching Assistant | Voiland College of Engineering & Architecture
May 2013 – December 2017
- Supported an artificial intelligence lab by assembling and configuring Smart Home in a Box kits which were shipped to participants of various studies, the kits were always ready to plug-in and begin reporting data
- Developed an interactive UI application that provided USDA researchers a friendly interface on top of a gene pattern matching algorithm developed by a graduate student based on DNA mutation research

Community Service and Leadership

Senior Design Project Mentor for WSU Computer Science Team | Mentor 2019
Microsoft Autism Hiring Program | Mentor (2019-Current)
Microsoft CPE Early-In-Career Committee | Mentor (2019)
InfoSec Unlocked, 501c3 | Executive Director *(2017-2019)*
Association of Computing Machinery of WSU| *Former Executive Chair (2013-2017)*
Crimson Code Hackathon of WSU | *Principal Organizer & Volunteer Coordinator (2013-2017)*
Combined Community Response Team for Gender-Based Violence of WSU| *Former Member (2016-2017)*
President's Commission for Gender Identity and Sexual Orientation | *Former Commission Member (2014-2016)*

Technical Competencies & Skills

Cloud: Document databases, serverless functions, blob storage, application services
Languages: C/C++, C#, Python, JavaScript, TypeScript, Ruby
Frameworks: Angular, React, .NET Core,