Jack Farrell

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EXPERIENCE

Thomson Reuters
Eagan, MN

Senior Software Engineer
Mar 2024 – Present

- Lead the development of a service to enforce FedRAMP compliance on pull requests, enhancing repository governance though an event-driven workflow that assigns mandatory acknowledgements to PRs. Architected the system using Azure Web Apps and Azure Table Storage for state management and event logging.
- Developed a survey distribution service to assesses developer sentiment on GitHub Copilot usage across repsotories in our organization, delivering critical insights to leadership. Deployed via Azure App Services, the solution integrates with GitHub App events and data is securely stores in CosmosDB.
- Designed and developed .NET Azure Functions to identify and remove unused licenses within Azure DevOps, successfully reducing the company's annual license costs by $250k anually.
- Standardized accessibility work item tracking across the Azure DevOps tenant, ensuring full compliance with Canadian Accessibility regulations and improving adherence to accessibility standards.

Software Engineer
Jun 2020 – Mar 2024

- Developed a comprehensive suite of .NET Azure Function APIs placed behind Azure APIM for centralized logging. These were aimed at collecting metrics from Azure DevOps subsequently leveraging PowerBI to aggregate and deliver insights to leadership.
- Collaborated with our Accessibility Team to create REST APIs aimed at automating Azure DevOps project migrations and work item updates, significantly improving company-wide accessibility bug tracking.
- Designed and implemented an automated solution for continuous deployment of Azure resources throughout the company's Azure tenant. Empowered teams to seamlessly deploy their applications via GitHub Releases, streamlining resource provisioning processes.
- Partnered with security agent owners to spearhead the development and implementation of security agent installation across the company's Azure tenant. Leveraged Azure Policy to deploy the solution, which evaluated hardware to target machines meeting agent criteria.

Maverick Software Consulting – Thomson Reuters
Eagan, MN

Cloud Software Engineer Intern
Jan 2019 - Aug 2019

- Developed software to automate manual Excel work using both Node.js and Python.
- Worked on a Python-based service to automate AWS infrastructure deployment - contributed to bug fixes as well as developing a new feature to use GitHub repositories as the source for infrastructure deployments.

Thomson Reuters
Eagan, MN

Software Engineer Intern
Jun 2018 - Aug 2018

- Gained valuable experience in Full Stack Development while working with the Platforms team. Utilized a diverse range of technologies, including Angular.js, Groovy, Java, and HTML/CSS, to develop two GUIs for internal use.

Ingersoll Rand – Trane Company
St. Paul, MN

Field Service Technician Intern
Jun 2017 - Aug 2017

- On-boarded new employee machines, installing the proper software for their respective roles and diagnosed software issues.

EDUCATION

University of Wisconsin
Madison, WI

Bachelor of Science in Computer Science
Sept. 2015 – May 2020

TECHNICAL SKILLS

Languages: C#, PowerShell, Python, SQL, Golang, Typescript, HTML/CSS
Frameworks: AngularJS, Node.js, Tailwind, ASP.NET
Developer Tools/CICD: Git, GitHub Actions, Docker, Azure, Azure DevOps, Azure CLI, Azure Resource Manager/Bicep
Certifications: Azure Developer Associate, GitHub Administration