

Frank Hu

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PROFESSIONAL EXPERIENCE

Microsoft - Bellevue, WA

Software Engineer II Auth Oriented

February 2020 – Present

- Worked on implementing, maintaining, and updating core auth features, requiring testing of auth libraries, login features, and other auth oriented items
- Engaged across organizations to deliver auth features to decrease app launch time by 33%
- Built multiple core pieces of Teams, requiring fixing startup orchestration issues to meeting join, in order to build features to handle auth oriented tenant switching depending on user's auth orientation that is currently being used by 115 million users and increasing
- Investigated unprecedented growth metrics to determine issues across the globe, determining severity, as well as learning how growth of 100x affects an application and it's surrounding APIs

Microsoft - Bellevue, WA

Azure Service Engineer II Auth Oriented

May 2019 – February 2020

- Developed Chrome extensions to automate repetitive work using data scraping, increasing efficiency by 20%, reducing team pull request errors by 80%
- Subject Matter Expert on authentication protocols across organizations within Microsoft
- Built, fixed, and updated public Azure boilerplate sample code for millions of customers
- Provided guidance and code samples to the global Azure community forums on how to implement AAD into their environments, totaling over 1,000,000 views and increasing

Microsoft - Dallas/Fort Worth Area

Azure Developer Support Engineer

June 2016 – May 2019

- Developed Chrome extension to automate administrative tasks, improving ticket closure by 33%
- Wrote technical articles on utilizing Azure APIs and performing OAuth2 authentication with Azure for internal/external Software Engineers at an international scale, 1,000,000+ total views

Nuesoft - Greater Atlanta Area

Software Engineer I

December 2014 – June 2016

- Worked on Javax Swing Health Insurance Clearinghouse Application built with custom local server Java Microservices

Research Experience Undergraduate - Miami, Florida

Researcher

May 2015 – August 2015

PROJECTS

Azure ARM Template LAMPP/WordPress/Memcached

May 2018 – Present

- Built Azure ARM Deployment utilizing shell scripts to install LAMPP with modules for WordPress and Memcached; improved page load times for by 85%; increasing conversion rates by 40%; utilized server side database caching, client-side caching, bundling, minification, form-based captures, and custom css

.Net AAD Auth BoilerPlates With Tutorials

May 2018 – Present

- Built out .Net code samples for Azure customers with corresponding blogs/tutorials for each .Net sample. Read/Used By 100,000+ software engineers internationally

Integrated Authn/Authz into Internal Tooling Back-end API

May 2019 – Present

- Implemented Mutual TLS Cert Auth between Azure App Service API and Azure API-Management, followed software designs: dependency injection w/ Autofac, repository design, and DTO

EDUCATION

Georgia Tech Atlanta, Georgia

January 2019 - December 2021

Masters of Science - Computer Science - Interactive Artificial Intelligence

GPA 3.9

University Of Georgia Athens, Georgia

August 2013-December 2015

Bachelor of Science - Computer Science - Cum Laude

GPA 3.69