Frank Hu

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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

PROFESSIONAL EXPERIENCE

Microsoft - Bellevue, WA

Software Engineer II   **March 2020 – Present**

- Worked on implementing and maintaining core auth features during a time of unprecedented growth for Microsoft Teams, an increase in about 50-70% users
- Engaged across organizations to deliver auth oriented features to decrease app launch time

Microsoft - Bellevue, WA

Azure Service Engineer II   **May 2019 – March 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 orgs
- Built, fixed, and updated public Azure boilerplate sample code for 100,000s 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

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, 500,000+ total views

Nuesoft - Greater Atlanta Area

Software Engineer I   **December 2014 – June 2016**

- Integrated LAMPP based Q2A forum, improving software engineer efficiency by 40%
- Implemented design specifications for Android project using Android SDK
- Performed data modeling for database and software architecture with UML

Research Experience Undergraduate - Miami, Florida

Researcher   **May 2015 – August 2015**

- Created Android application for research paper to be submitted at human computer interaction conference utilizing Facebook API and Temboo API
- Developed data scraping regular expressions to automate data gathering using JSoup and REST API, reducing fake Facebook Friend spam by 75% using Javascript Injections

EDUCATION

Georgia Tech Atlanta, Georgia   **January 2019 - June 2021**
Masters of Science - Computer Science - Computing Systems   **GPA 3.8**

University Of Georgia Athens, Georgia   **August 2013-December 2015**
Bachelor of Science - Computer Science - Cum Laude   **GPA 3.69**