

Frank Hu

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PROJECTS

Azure ARM Template LAMPP/WordPress/Memcached

May 2018 – Present

- Built Azure ARM Deployment that uses scripting to install LAMPP and all modules for WordPress and Memcached saving 100s of hours across companies, improved page load times for multiple companies by 85% and conversion rates by 40% using 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

Azure Service Engineer II

May 2019 – Present

- Developed Chrome extensions to automate repetitive work using data scraping, increasing efficiency by 20% and reduced team pull request errors by 80%
- Subject Matter Expert on authentication protocols across organizations within Microsoft, saving 100s of hours time across teams by providing Cloud Identity knowledge to front-end and back-end teams
- 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 OAuth2 flows into their environments with over a 1,000,000 views total

Microsoft - Dallas/Fort Worth Area

Azure Developer Support Engineer

June 2016 – May 2019

- Developed Chrome extension to automate administrative tasks, improving efficiency of support engineers 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
- Reduced support tickets by streamlining process, increasing ticket closure by 120%

Nuesoft - Greater Atlanta Area

Software Engineer I

December 2014 – June 2016

- Made patches and features for Javax Swing applications using Eclipse IDE
- 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%
- Implemented JavaScript injections to manipulate Facebook user interface
- Collaborated with research professors to prototype user interfaces using AxureRP

EDUCATION

Georgia Tech Atlanta, Georgia

January 2019 - June 2021

Masters of Science - Computer Science - Computing Systems

GPA 3.75

University Of Georgia Athens, Georgia

August 2013-December 2015

Bachelor of Science - Computer Science - Cum Laude

GPA 3.69