

Joe Sema

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WORK EXPERIENCE

Microsoft – Software Engineer

May 2020 – Aug 2025

- Implemented Microsoft Office 365 privacy settings and OOBE (Out of Box Experience) UIs for all Microsoft Office users, allowing control for required diagnostic data / optional diagnostic data and saving \$1M+ in GDPR requirements
- Engineered OOBE Marketing Dialogs and integrated with a growth data pipeline to provide personalized recommendations and upsells for features such as new powerpoint designs
- Developed and Lead Testing Automation suite for CD/CI pipeline and developer workflow resulting in 100% coverage in P0 privacy manual test cases

Accenture – Software Engineer

Aug 2019 – May 2020

- Implemented and architected microservices for Xfinity Virtual Assistant voice feature within Xfinity X1 Voice Remote / TV box resulting in 100+ new voice commands on initial launch
- Managed 10+ Spring Boot microservices supporting features like Billing and Payment, Modem restart, and Managing subscriptions within the Xfinity Virtual Assistant
- Designed Chat React components for improving user accessibility for the Xfinity Virtual Assistant

Vanguard – Software Engineer

July 2018 – Aug 2019

- Designed and engineered internal web portal application for managing customer financial records, and providing batch processing tasks which led to easily exportable data reports of 1000's of users
- Lead and developed Testing Automation initiative leading to 20% automated coverage of manual tests
- Initiated Agile Sprints on Unit Testing Coverage, which as a result brought coverage from 7% to over 60% in 4 weeks

EDUCATION

The Pennsylvania State University State College, PA

B.S. in Information Sciences and Technology | Design and Development

Minor in Security Risk Analysis | Cyber-Security

TECHNICAL SKILLS

Languages: Java, Python, HTML, CSS, JavaScript, SQL, C++

Frameworks: React, Spring Boot, Express

Technologies: Microsoft Azure App Service, Azure SQL Database, Azure Blob Storage, Netlify CDN, Netlify Serverless Functions, Google Firebase Real Time Database, Firebase Authentication