Devin Michaels

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INDUSTRY EXPERIENCE

Cloud Software Group, Ft. Lauderdale, FL — *Software Engineer II, Citrix Cloud,* August 2019 - Present

- .NET Framework to **.NET 8 Migration** - updated for future compatibility and containerization. Test-driven development (unit, component, integration). Validated in multiple test layers, taking internal user feedback before rolling to production. Documented pain points and shared findings on channel for others to do similar migrations
- *Inactive Customer Deletion* **-** Right to be forgotten. High stakes if a customer is incorrectly deleted - designed crucial criteria for inactivity - no logins, or old entitlements, or no connectors. Worker task to assess these criteria. Rolled out through **full development lifecycle**. Tested in staging environments to discover edge cases. Splunk dashboard to monitor the entire operation. Developed safeguards - **distributed** limit to number of deletions across geos using **optimistic concurrency control**, Visual Studio console app script to verify all calculations with safeguard against SQL injection, a state machine allowing for notifications, cancelled if acted on by admins, logOnly **dry run mode** which goes through all states but no deletion occurs. **Biweekly progress updates to stakeholders** - management, product, security, legal.
- Production synthetic development with Docker, Grafana, JavaScript, WSL, Unix, Ubuntu, ensuring SLAs, successfully removed redundant test environment resulting in >$10k COGS savings
- *Self-Service Account Recovery* **-** Fully **owned the initiative**, from implementation to delivery, to automate account recovery for Citrix Cloud administrators. Designed, implemented, and deployed **new Azure Service Fabric microservices, database, and data access layer**. Interfaced with architects, product design, security and project manager. Created architecture diagram and failure mode analysis. **Saves multiple human hours of manual process per day.** *.NET Core, ASP .NET Core, CosmosDB*
- *Customers Service* - Migrated Azure Cloud Services to new Service Fabric microservices, allowing **geo-based and release-based failover,** refactored data access layer to use Azure CosmosDB session consistency, **reduced deployment time by 50%**

Citrix, Ft. Lauderdale, FL — *Software Engineer Intern,* Summer 2018

- Conceptualized, designed, released and maintained Electron app for monitoring **CI/CD pipeline Angular 6, Node**

Caribu, Miami, FL — *Software Engineer Intern,* Summer 2017

EDUCATION

University of Miami, Coral Gables, FL — *B.S. Computer Science,* August 2015 - May 2019

Team B.U.K, Glendale, CA — *Dance Performance Team,* May 2022 - Present

- Wrote, produced, sang, choreographed, directed, edited complete music video using **Logic Pro, Final Cut Pro, Blender**

SIDE PROJECT

Flashcards, Oct 2024

- Created free flashcard app in SwiftUI and CoreData. Tinder-style right and wrong, Anki-style spaced repetition algorithm

TECHNOLOGIES C#, Python, .NET, Azure (Service Fabric, Service Bus, CosmosDB), Angular (Javascript, Typescript)