Devin Michaels

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- Strong communication and collaboration skills with an emphasis on removing blockers for teammates. I try to learn like a principal engineer and teach as if my audience is a junior engineer. Primarily backend developer with C# and Azure tech stack
- Writing maintainable code and documentation which is paramount for modern software teams which have turnover - need to onboard quickly. broadcasting pain points and my solutions to avoid teammates duplicating work. -
- Comfortable working with CICD pipelines - some experience with Terraform and more extensively with in house configuration - making config changes with consequences in production.
- On-call experience, writing and enacting SLOs and searching through Splunk and Grafana to find root cause for failing synthetics.
- Angular experience with Citrix Cloud Console, making both functional and cosmetic UX changes and suggestions.
- Special attention to making minimal mistakes, given my experience working cross time zone with global teams - minimizing mistakes means minimizing asynchronous communication.

INDUSTRY EXPERIENCE

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

- *.NET Framework to .NET 8 Migration* - for containerization support.
  - Test-driven development (unit, component, integration). Validated multiple test layers, taking internal user feedback, rolled out to production.
  - Documented pain points and shared findings on channel for others migrating similar microservices.
- *Inactive Customer Deletion* - Right to be forgotten.
  - High stakes if a customer is incorrectly deleted - designed crucial criteria for inactivity - no logins, old entitlements, connectors. Worker to assess these criteria. Biweekly updates to stakeholders - product, security, legal.
  - Full development lifecycle. Discovered edge cases in Staging environment. Splunk dashboard for product managers.
  - Developed safeguards - 1) cross-geo distributed limit to deletions using optimistic concurrency control, 2) sanitized console script to cross-check the worker, 3) state machine for notifications, admin login triggered cancellation, logOnly dry run mode.
- *Production synthetic development* with Docker, Grafana, JavaScript, WSL, Unix, Ubuntu, ensuring SLAs, successfully removed redundant test environment resulting in >$10k COGS reduction
- *Self-Service Account Recovery* -
  - Designed, implemented, and deployed .NET Core microservices, CosmosDB database, and data access layer.
  - Interfaced with architects, product design, security and project manager. Created architecture diagram and failure mode analysis. Saves 10 human hours of manual process per day.
- *Customers Service* - Migrated Cloud Services to Service Fabric, enabling geo failover, reducing deployment time 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 PROJECTS

Flashcards, Oct 2024 - SwiftUI, CoreData. Tinder-style right and wrong, Anki-style spaced repetition algorithm
Freeoguessr, Oct 2024 - Geoguessr clone in MapKit for SwiftUI

TECHNOLOGIES C#, Python, .NET, Azure (Service Fabric, Service Bus, CosmosDB), Angular (Javascript, Typescript), CICD (Jenkins), SonarQube static code analysis, Docker, Terraform, Grafana