

Peyt Spencer Dewar

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 **Lyrist · Founder · <https://lyrist.app>**

**February 2023 – present**

- Developed toolkit for songwriters to discover “artist type beats”, capture song ideas, and overcome writer’s block, earning over \$10,000 in premium subscription revenue
- Hired and managed team of content creators for marketing campaigns
- Created web scraper to automate outreach to independent artists
- Guided team of college students to design and launch features like the writer’s block screen
- Started label “Lyrist Records” to independently release original hip-hop music

 **Microsoft · Software Development Engineer**

**August 2016 – present**

**Azure Incident Management UI/UX · Optimize on-call experience**

**Today**

- Designed prompt-based system to automate Jest tests for hundreds of React Native components, boosting coverage from single digits to over 80% in a few months and cutting manual testing efforts to near-zero for new components
- Revamped internal on-call web portal by migrating legacy Angular code to React, improving load times and reducing friction across core incident actions
- Built incident filter end-to-end to enforce EU data boundary rules and prevent cross-region access
- Built mobile widgets to give executives instant visibility into outages on iOS and Android, removing manual mitigation steps and reducing response times
- Led bi-weekly team retrospectives and introduced collaboration practices, covering sprint highlights and setbacks while improving team alignment and morale

**Office Scripts Service · Improve security and data architecture**

**2023 – 2024**

- Led efforts to secure automation scripts, preventing workbook data exfiltration risks
- Unified NoSQL data models to streamline onboarding and eliminate inconsistencies across services

**Event Triggers · Subscribe to notifications from changes made in Excel**

**2022 – 2023**

- Designed architecture for automatic Excel triggers in Power Automate
- Built subscription microservice incorporating webhooks to handle notifications at scale
- Drove collaboration through weekly sprint planning and cross-organization design reviews

**Office Scripts · Automate repetitive workflows in Office Platform**

**2019 – 2022**

- Implemented TypeScript client API library for script management supporting a million monthly customers
- Built portal for admin policy management and gradual product adoption
- Served as mentor and authored onboarding handbook as a helpful resource guide for interns

**Outlook Extensibility · Integrate add-ins to manage email and calendar better**

**2016 – 2018**

- Built JavaScript APIs for third-party integrations in Outlook Mail and Calendar, improving workflows for millions of customers and developers

**Languages**

TypeScript · JavaScript · C# · Java · Swift · Kotlin

**Frameworks / Libraries**

React Native · React · Redux · Firebase · Next.js · .NET · Node.js · Supabase · OpenAI · SwiftUI · WidgetKit · NoSQL · Claude · Gemini

**Education**

Bachelor of Science, Computer Science · University of Florida