SACHIN PANAYIL

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EXPERIENCE

U.S. Digital Corps @ Centers for Medicare & Medicaid Services — Remote
Full Stack Software Engineer — Aug 2024 - Present

- Selected from the top **3.5% of applicants out of 2,000** for the United States Digital Corps program, placed at the federal governments first Open Source Program Office at Digital Services at CMS.
- Developed a full-stack metrics dashboard using JavaScript, Liquid, and Python, leveraging **REST APIs** to analyze **$100M+** in government software assets.
- Created **10+ new data visualizations** to assess software costs and complexities, reducing hosting expenses by **$100K+** through GitHub Pages deployment.
- Led development of critical open-source CI/CD tools using **TypeScript** and GitHub Actions, streamlining operations across **250+** government repositories.
- Conducted **15+** technical interviews and acted as a **project manager**, facilitating knowledge-sharing sessions, and becoming a liaison between partner organizations.

BarWave — Remote
Lead iOS Software Engineer — Aug 2023 - Present

- Spearheading the relaunch as the lead engineer in a highly agile team, successfully introducing **SwiftUI**, MVVM, and the CLEAN Architecture.
- Engineered a Snapchat-style camera system using AVFoundation and a global feed system with **Firestore**, introducing **3000+** new users.
- Developed a real-time check-in tracker using **Core Location**, enabling automatic user check-ins after dwelling in a venue for 15+ minutes, increasing App Store ratings by **6%**.

NBA — Remote
iOS Software Engineer Intern — June 2023 - Aug 2023

- Enhanced the new flagship NBA app by implementing and resolving **20+** features and bugs using **The Composable Architecture**.
- Helped implement **Live Activities** and **Push Notifications** to deliver real-time game scores while researching solutions for seamless in-app score updates.
- Drove a **3%** increase in user satisfaction across a **1 million+** user base by improving app performance and stability.

EDUCATION

Hunter College — New York, NY
Bachelors in Computer Science — Sep 2019 - May 2023

PROJECTS

BarWave - *www.barwave.app*
BarWave is a revolutionary iOS app that connects nightlife enthusiasts with trending bars worldwide while enabling real-time social interaction between users.

DSACMS Metrics Dashboard - *https://dsacms.github.io/metrics/*
Full-stack dashboard built with JavaScript and Python to visualize repository metrics and health analytics for government software assets.

Automated Code.json Generator - *https://github.com/DSACMS/automated-codejson-generator*
A GitHub Action that automatically generates and maintains code.json files for open source repositories, ensuring compliance with the SHARE IT Act.

SKILLS

Languages & Frameworks:	Swift, JavaScript, Python, TypeScript, SwiftUI, Combine, AVFoundation
Infrastructure & Databases:	PostgreSQL, Firebase, MongoDB, GraphQL, REST APIs, GitHub Actions
Tools & Methodologies	Git, TCA, Agile, MVVM, CLEAN, MVC, Figma, Mural, JIRA