

Pranav Suri

☎ 437-970-9137 | ✉ pranav.suri@uwaterloo.ca | in [linkedin.com/in/pranav-suri](https://www.linkedin.com/in/pranav-suri) | 📄 github.com/pranavsuri4303

TECHNICAL SKILLS

Languages: Swift, Objective-C, Kotlin, Dart, Golang, JavaScript, Rust, C++, GraphQL
Technologies/Frameworks: SwiftUI, Flutter, Firebase, REST APIs, Gin, gqlgen, Federation, Cocoapods/SPM
Cloud & DevOps: GCP, GitHub Actions, CI/CD, Git, Cloud Functions, MongoDB Atlas
Developer Tools: Xcode, Android Studio, Charles Proxy, JIRA, TeamCity, Figma

EXPERIENCE

Ecobee | *Swift, Objective-C, GraphQL* Apr. 2024 – Sep. 2024
Software Engineer Remote

- Migrated legacy asynchronous code from PromiseKit to Swift's async/await pattern, streamlining data flow and resolving concurrency bugs across 15+ SwiftUI screens.
- Integrated Generac suite functionality into the Eco+ platform with features like grid outage protection and amplitude event handling. Identified and resolved edge-case bugs to ensure seamless operation across connected devices.
- Diagnosed and resolved 10+ high-priority bugs, including UI rendering issues, API failures, and incorrect data mappings, improving system stability and user experience.
- Refactored shared UI components and improved internal design system tooling, reducing code duplication by 30%, preventing regressions, and accelerating feature delivery.

CourtIQ | *Swift, Golang, Javascript, GraphQL, MongoDB* | 📄 2023 – Present
Founder and Engineer Remote

- Designed a scalable backend architecture with Golang, Apollo Federation, and MongoDB, managing 5+ microservices.
- Automated CI/CD pipelines with Docker, Makefile, and GCP, deploying seamlessly to Google Cloud Run.
- Developed a modular design system in SwiftUI and integrated Apollo Client for GraphQL code generation, ensuring consistent UI/UX and efficient backend communication in iOS apps.
- Integrated Firebase Auth and FCM for secure user authentication and real-time notifications, while enabling advanced search with MongoDB Atlas Search for faster data retrieval.
- Managed end-to-end development as the sole contributor, owning backend services, iOS app development, and Figma-based design systems for a cohesive project delivery.

Ecobee | *Swift, Objective-C, GraphQL* Aug. 2023 – Jan. 2024
Software Engineer Intern Remote

- Developed ActivityKit live activity prototype with GraphQL subscriptions for real-time home monitoring alerts.
- Eliminated 20+ redundant feature flags and established documentation protocol to improve codebase efficiency.
- Developed 11 SwiftUI screens for a smart doorbell product and 5+ shared UI components for the design system.

1Password | *Swift, Objective-C, Rust, Azure* Sep. 2022 – Jan. 2023
Software Developer Intern Remote

- Developed key user lifecycle features in Swift, Objective-C, and Rust, improving user onboarding and retention metrics.
- Built cross-platform QR code authentication system in Swift and Rust during company hackathon.
- Collaborated with product and design teams to scope features and plan sprints for a 20-person engineering team.

Capybara (Pre-seed Startup) | *Swift, Golang, PostgreSQL, AWS* Aug. 2022 – Oct. 2022
Lead iOS Developer Singapore

- Spearheaded development of iOS application, translating >20 Figma frames into code using SwiftUI.
- Introduced atomic UI design principles and refactored legacy SwiftUI code to enhance application performance and maintainability, leading to more efficient and effective code reuse.
- Created an SPM networking library with caching and MVVM, optimizing API data flow and reducing server calls.
- Assisted in development and bug fixes for RESTful API developed using Golang and PostgreSQL.

Autotrader.ca | *Swift, Objective-C, PagerDuty, New Relic, Azure, Cocoapods* Jan. 2022 – May 2022
iOS Engineering Intern Toronto, Canada

- Fixed iPad search sorting and built remote config caching system to optimize feature flag performance.
- Used feature flags to track system appearance preferences, driving the implementation of dark mode support.
- Developed autofill features for registration and subscriptions, resulting in 5% increase in user conversion.
- Executed UI tests and biweekly regression testing, while monitoring system health using New Relic and PagerDuty.

LEADERSHIP & EXTRACURRICULAR

Sigma Chi(Leadership Fraternity)

President

Jan 2023 – Present

University of Waterloo

- Managed a \$1,000,000 property, overseeing the maintenance, servicing, and overall operational efficiency while overseeing key improvement projects.
- Administered a termly budget of \$40,000, allocating resources for essential upgrades and spearheading initiatives like a \$20,000 energy-efficient furnace installation to reduce costs and enhance sustainability.
- Provided leadership and strategic oversight, fostering collaboration among members and alumni to drive property improvements and long-term sustainability.

BSJ Eco Committee - Weather and Pollution Station Team

Project Lead

Fall 2019 – Spring 2021

British School Jakarta

- Curated documentation for troubleshooting and maintenance of \$10,000 weather and pollution station.
- Implemented automation of data collection with the help of Python Selenium & BeautifulSoup4.
- Develop website and mobile app to provide live pollution and weather update along with predictions to community.

Competitive Tennis

Fall 2019 – Spring 2021

- Participate in inter-school, local, national, and international competitions.
- Doubles specialist, coach for HS varsity doubles team & Assistant tournament director for monthly tournaments at HS.

PROJECTS

TMDB movie App | *Swift, Dart, Kotlin* |

January 2021

- Built a movie app using SwiftUI, Jetpack Compose, and Flutter to compare declarative UI frameworks, displaying "Now Playing" and "Popular" movies via The Movie Database API.
- Used MVVM architecture across all platforms to manage state and streamline development while analyzing the strengths and limitations of each framework.

EDUCATION

University of Waterloo

BSc, Minor in Economics

Waterloo, Canada

British School Jakarta

IB Diploma & IGCSE

Jakarta, Indonesia

Spring 2021