

Nehal Kanetkar

Pilot. Developer. Engineer

519 760 3785 · nkanetka@gmail.com · github.com/nkanetka · nkanetka.github.io

Skills

- Curious and inquisitive front-end developer with 3 years production experience developing web and iOS apps
- Knowledgeable about Swift, reactive coding with Swift and streamlined CI/CD through the development of multiple web and mobile apps
- Clear and effective communicator through experience flying planes and working in team environments
- Excellent multi-domain problem solver from multiple design projects and personal projects

Languages & Tools

Swift, Objective-C, JavaScript (Vue.js & Node.js), Bash, Python

Git, Charles, Sketch, Xcode, Docker, Travis-CI, Circle-CI, Azure, AWS

Education

BASc: Systems Design Engineering

University Of Waterloo
Sep 2013 – Apr 2018

Relevant Courses: Software Design, Data Structures & Algorithms, User Centred Design Methods

Commercial Pilot

Jun 2013 – Present

Licensed Canadian commercial pilot with Class 4 Flight Instructor Rating.

Experience

iOS/Web Developer & Co-Founder

Touchdown · May 2015 – Present · Waterloo, ON

- Developed an end-to-end solution for pilots to log their airtime and flight times seamlessly using mobile devices
- Created and extensively tested the algorithm to log airtime accurately using unit tests, flight simulator and in plane tests

Software Engineer

Foursquare · September 2018 – October 2019 · Chicago, IL

- Work heavily on redesigning the Pilgrim SDK to make use of more modern iOS features
- Continuously improving the quality of the codebase by removing tech debt, adding unit tests (increasing code coverage from 17% to 42%) and cultivating a culture of clean code
- Simplified a half day release checklist by using bash scripts to automate the CI/CD pipeline into a 1-click release process

Full Stack Developer

Borderline · October 2017 – August 2018 · Waterloo, ON

- Developed an end-to-end solution (mobile application and RESTful API) to record sounds in urban environments helping investigate the role of sound in community formation
- Established the use of continuous integration to streamline releases for both the frontend and backend

iOS Developer Intern

Compass Real Estate · May 2017 – Aug 2017 · New York, NY

- Designed and implemented a novel solution to download and inform users of nearby listings via geo-fenced notifications, without requiring additional user permissions
- Re-wrote all unit tests in the app eliminating 2 dependencies on the codebase
- Re-wrote the Compass Markets app, leveraging MVVM in Swift, increasing the testability of the app

Projects

QuantPath Pathology

- Leveraged artificial intelligence when developing a software solution to reduce errors when pathologists' make a diagnosis
- Implemented a cross platform desktop application (Electron.js), helped create a RESTful API and established continuous integration for the project