VICTOR NOUVELLET

Senior Software Engineer Systems

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WORK EXPERIENCE

APPLE INC - *Cupertino (California, USA)* 05/10/2024 - *Now*
Senior Software Engineer
One Apple Park Way, Cupertino, 95014 California, USA
Working on core iOS SystemUI multitasking experiences in the SpringBoard team in cross-functional team collaboration. Using Objective-C and Swift, I develop key features for iPad and iPhone windowing systems (including Stage Manager). Deep internal knowledge of techniques to improve device performance and energy usage using internal and external Apple internal tools. Utilizing and developing foundational frameworks for iOS, iPadOS, and visionOS like SpringBoard, UIKit, CoreAnimation. Applying proprietary software development engineering processes and strategies for Apple's product development cycles.

APPLE EUROPE - *Paris (France)* 05/04/2020 - 05/08/2024
Senior Software Engineer
7 Place d'Iéna, 75116 Paris, France
Integrated AI features like Live Text & Visual Search to Quick Look.
Created a new sidebard for PDF editions like page rotation, reordering, removal, insertion from Files or scanner.
Added features in the Files app like editing filename extensions.
Adapted the Quick Look framework for visionOS. First AppIntents in the Files app for iPhone, iPad and Vision Pro for Apple Intelligence.

FREELANCE - Around the world 06/12/2019 - 05/04/2020
Software Engineer / Interim CTO
Worked with URGOTech on companion app for URGOnight headband to measure brain wave activity.
Worked as CTO for EXP on an app to deconstruct fake news.

TRAINLINE - *Paris (France)* 02/19/2019 - 06/12/2019
iOS Engineer
20 rue Saint Georges, 75009 Paris, France
Implemented visual indicators for G30 vouchers on Trainline iOS app.
Improved CI & CD for testing automation.
Introduced new stubbing server for UITests and regression testings. Use of Docker and Wiremock. CI system used: TeamCity. Languages: Swift, Objective-C, Ruby, Python.

SOUNDS - *Paris (France)* 11/15/2017 - 01/29/2019
iOS Developer
10 rue La Fayette, 75009 Paris, France
Developer on Sounds app. Designed the networking architecture, live-club, stories, screen recording & discover features. Made the most out of RxSwift & Swinject. Incorporated team git flow.
Set up CI & CD for automated tests, beta deployment and AppStore submission & release using Shortcuts app & Siri.
CI: Bitrise. Languages: Swift, Objective-C, Ruby. Architecture: VIPER.

GEOCHAT - *Paris (France)* January 2016 - June 2017
Cofounder & CTO
21 rue de Cléry, 75002 Paris, France
Few of the things I did as Chief Technical Officer:
- Software architect for the app and the backend. Backend in PHP and Node.js. Frontend in Objective-C and Swift.
- Lead Developer for a team that reached 5 developers.
- Building the app environment using frameworks like Socket.io & integrating push notification systems.

NETATMO - *Paris (France)* 05/16/2016 - 09/02/2016
Developer Intern
93 rue Nationale, 92100 Boulogne-Billancourt, France
Made native weathermap for Netatmo Weather Station app.
Added real integration of the world's largest crowd-sourced weather observation network in Netatmo main app. Feature used by +100k users.

LANGUAGES

English - Fluent *(TOEIC : 910/990, TOEFL iBT : 85)*

French - Native

Spanish - Full Professional proficiency

ALMA MATER

UNIVERSITY OF CALIFORNIA BERKELEY
Berkeley, USA, *01/09/2017 - 06/08/2017*

Visiting Scholar in the Department of Electrical Engineering and Computer Sciences (EECS) at UC Berkeley.
Supervisor: Professor Edward A. Lee. Co-created the Discovery Project making use of accessors to find and connect easily Internet of Things (IoT) devices together.
The Accessors group is part of the TerraSwarm Research Center sponsored by MARCO and DARPA.
Co-author of two submitted publications (Springer's Formal Aspects of Computing & IEEE Proceedings).

INSA LYON
Lyon, France, *09/01/2014 - 06/30/2017*

Master of Science (MS) in Computer Science (CS) department at Institut National des Sciences Appliquées de Lyon. Graduated in 2017.

ECAM LYON
Lyon, France, *09/01/2012 - 06/30/2014*

Preparatory classes for Master in Mechanical and Industrial Engineering at Ecole Catholique des Arts et Métiers de Lyon. Graduated in 2014.

PROJECTS

CLUBELEK VICE PRESIDENT
INSA Lyon, France, *July 2015 - July 2016*

ClubElek is the robotic association at INSA Lyon aiming to create a robot each year for the Eurobot competiton. Robot development management. Mechanic parts using CAD.

SMART LED CUBES
Lyon, France, *#1 in 2013, #2 in 2014*

The cubes can inform you with the weather depending on your position, display custom messages and patterns in 3D selected on a website while using a home-made iOS app to transform speech to text and display it instantly.
A Leap Motion device can also be used to light a path you are describing in space with your finger, wirelessly.
Technologies such as Objective-C, JS (ES6), REST, have been integrated in this end to end IoT providing services. Electronics and mechanics made with Eagle & Solidworks.

HOME AUTOMATION SYSTEM
Lyon, France, *2013*

Home-made automation system to open garage doors with NFC or using an iOS app secured by Touch ID.

HOBBIES AND ACTIVITIES

Sailing

Kitesurfing

Piano

Running