

Ivan Kramarchuk

Principal Software Engineer

Phone: +1 778 952 6827
Email: i0532386223@gmail.com
Location: Vancouver, Canada

Software engineer with 15+ years of experience.

EXPERIENCE

Zscaler Canada Ltd — Principal Software Engineer (09.2024 – present)

Development of Data Loss Prevention (DLP) and endpoint protection components for macOS. Work includes Endpoint Security framework integration, System Extensions, application sandboxing, macOS security architecture, signing and notarization workflows, secure IPC communication between privileged services and UI components, large-scale troubleshooting using macOS system logs and diagnostics.

Zscaler Israel Ltd — Principal Software Engineer (07.2022 – 09.2024)

Development of macOS Data Loss Prevention product. Endpoint Security monitoring, MDM profiles, provisioning profiles and entitlements, installer creation, macOS log analysis, reverse engineering and diagnostics of complex system-level issues.

Forcepoint — Principal Software Engineer (10.2019 – 07.2022)

Endpoint security product for macOS including PreferencePanels, WebKit integration, Apple Mail plugin development, privileged helper tools, certificates management, System Extensions and Network Extensions.

Freelance — Software Engineer (09.2018 – 10.2019)

Emergency notification system management application (macOS/iOS). Servers and websites monitoring application for macOS.

Triplights — Software Engineer (07.2016 – 09.2018)

iOS application displaying social events, concerts and lectures. Used MapKit, Firebase Analytics and REST networking.

SocialSky — Software Engineer (01.2016 – 06.2016)

Development and modernization of iOS applications in Swift and Objective-C.

LLC Publisher — Software Engineer (04.2012 – 02.2015)

Enterprise applications developed using C# and Java EE.

LLC Intar Business — Software Engineer (04.2008 – 03.2012)

Development of internal business software and web applications.

EDUCATION

St. Petersburg University of Management and Economics

Magister of Management (2008 – 2011)

TECHNICAL SKILLS

macOS Technologies: Endpoint Security, System Extensions, Network Extensions, App Sandbox, Keychain, Notarization, Installer building, Apple security architecture

Frameworks: Cocoa, SwiftUI, WebKit, Finder Extensions, Core Data, Core Animation, Core Location, AVFoundation, StoreKit, MapKit

Development: Xcode, Instruments, XCTest, Crash diagnostics, reverse engineering and system debugging

Build & DevOps: CMake, CI pipelines, GitHub, Jenkins

Concurrency: GCD, OperationQueue

PROGRAMMING LANGUAGES

C++, Swift, Objective-C