

# Pradeep Tiwari

Software developer with strong analytical and debugging skills, and a consistent performer.

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## EXPERIENCE (11 years)

### Infoblox, Bangalore — Senior Software Engineer.

Jan 2021 - PRESENT

- Developed and implemented the BloxOne Mobile Roaming Client app for iOS, leveraging technologies such as Swift, SwiftUI, Objective-C, and C++.
- Enhanced and supported the Android Bloxone app.
- Integrated VPN feature into the macOS roaming client.
- Added support bundle feature to the Linux roaming client.
- Utilized C++ and Golang libraries to route network traffic to Infoblox core DNS and device DFP in Android and iOS versions.
- Implemented MDM support based on app config community, enabling app and device control using MDM for mobile clients.
- Designed and integrated REST API calls, UI screens, Firebase crashlytics, Willow logger, and Kibana support in the iOS app.
- Provided timely support for macOS roaming client bug fixes.
- Collaborated with the scrum team to translate client requirements into implementable stories and tasks.
- Improved product quality through code reviews, effective unit test cases, and collaboration with QA teams and clients for bug fixes.
- Managed App Store and Play Store submissions and release maintenance for mobile endpoints.

### I-exceed technology, Bangalore — Team lead.

Nov 2013 – Dec 2020

- Developed the iOS container for the flagship product *Appzillon*, ensuring robust functionality and seamless user experience.
- Leveraged tools like Xcode, Instruments, Safari, and Crash Analytics to identify and resolve over 400 legacy bugs and warnings, significantly improving application stability.
- Strengthened *Appzillon* and related projects' security by implementing advanced cryptographic techniques and hashing, reducing VAPT security issues for REST APIs to zero.
- Achieved a 50% improvement in app load time by minimizing communication overhead between the native and JavaScript

## SKILLS

Objective C      ★ ★ ★ ★ ★

Swift      ★ ★ ★ ★ ★

SwiftUI      ★ ★ ★ ★ ★

Kotlin      ★ ★ ★ ★ ★

C/C++      ★ ★ ★ ★ ★

Golang      ★ ★ ★ ★ ★

## OTHER SKILLS

Javascript, Java

## AWARDS

**Achievement award** for excellent contribution to Appzillon iOS container in I-exceed technology.

**Customer focus award** for helping win a customer in Infoblox.

## CERTIFICATION

**Go: The Complete Developer's Guide (Golang) - Udemy Certification.**

**Concurrent Programming with Android: Threads workers and Kotlin**

layers.

- Integrated and managed multiple third-party libraries written in Swift and Objective-C, including PayU Money, Tapzo, AFNetworking, OAuth 2.0, Tesseract OCR, Blackberry Dynamics, and social sign-in SDKs like Google and Twitter.
- Employed frameworks such as AVFoundation, Core Graphics, Keychain, and Core Telephony to deliver feature-rich applications and developed native plugins tailored to *Appzillon*.
- Delivered cutting-edge features such as Apple Pay and Vision API, enhancing the app's capabilities.
- Played a key role in developing and publishing apps for diverse clients, including KTKB, Equitas Bank, Andhra Bank, Webster, Suryoday Bank, Spitaman, Mashreq, Eximnet, DBS, Noor Bank, IPBP (India Post), Canara Bank, Manappuram Bank, and Citi Enterprise.

## EDUCATION

### UPTU, Lucknow, India — *B.Tech.*

August 2008 - June 2012

Scored 74.4%, in graduation with Information Technology as major.

## PROJECTS

### **Bloxone Endpoint Clients (macOS/Linux Apps)**— *July 2022-Present.*

Designed and developed Infoblox Bloxone EP, a lightweight roaming client that securely redirects DNS queries from devices to the Infoblox Bloxone cloud service over an encrypted transport..

### **Bloxone Endpoint Apps (iOS/Android Apps)**— *Jan 2021- Present.*

Bloxone EPs operates at the DNS level to see threats that other solutions do not and stops the attacks early in the threat lifecycle. Through pervasive automation and ecosystem integration, it derived efficiencies in Security Operations. Uplifts the effectiveness of the existing security stack, secures digital and work from anywhere efforts and lowers the total cost of the cyber security.

### **Appzillon MADP**— *Nov 2013- Feb 2020*

Appzillon is a feature rich, agile and flexible cross platform suit to build apps for smartphones, tablets, and web. It's robust secure and hybrid architecture facilitates a unified mobility strategy. It offers a unique ability to automatically build and deploy screens

**Coroutines.:** - LinkedIn Certification.

**C++ Advanced Topic:**  
LinkedIn Certification.

**Testing iOS Apps -BDD using Swift:** - Udemy certification.

## LANGUAGES

English(Fluent),  
Hindi(Native)

## Other Projects

NBF bank, IPBP, KTKB,  
Mashreq, Ujjivan,  
Mannapuram, Sathapana,  
Eximnet Bank, DBS Bank,  
Equitas Bank, Andhra Bank,  
Dena bank, Syndicate Bank,  
Islam Bank, Webster Bank etc.

based on enterprise services. The intuitive nature of the suits abstracts technical complexities from end users. This enables banks to develop new apps and enhance existing apps in a significantly shorter timeframe.

**Noor Bank App**— *Oct 2018- Aug 2019*

Noor bank (Dubai) App provides complete online banking solution for its customers. Integrated Apple pay and supported backend team in implementation of Apple pay standard encryption and hashing. Implemented deep linking to launch other Noor bank apps.

**CITI Dealbase Express**— *July 2018- Jan 2019*

Dealbase express is an enterprise app used by Citi bank sales team to accelerator deal singing process. Apps provide extra layer of security as it is wrapped in “Blackberry Good Dynamic” framework.

**Spitamen Bank App**— *Sept 2015- Oct 2016*

Spitamen bank (Tajikistan) App provides complete online banking solution for its customers. I implemented screens as per design team. Implemented rest APIs calls to fetch details from bank server also I architected and implemented MVC design for project.