**Suslov Babu**

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# PROFILE

Lead Engineer with over 7 years of experience in mobile and web application development.

* **7 years of experience** in mobile and web application development.
* Experienced in **leading a team** and working as the single point of contact for the client, coordinating and managing remote teams across global location.
* Successfully completed **more than 20 projects** with multiple clients in the US, UK Canada, Australia and Middle East.
* Proven experience in building **high performance solutions**.
* Thorough understanding of latest **mobile technologies.**
* Experience with various methodologies of software development lifecycle like waterfall and **agile with SCRUM** as the most used framework.
* Experienced in developing mobile apps in **education, retail, banking, travel & aviation, and healthcare** domains.
* More than 4 years of experience in **managing teams and projects**.
* In-depth knowledge of **industry patterns** and frontend/backend application development protocols.
* Extensive programming skills in**, Objective-C, Swift, and Java**.
* Good knowledge in deploying applications using **Apache and Nginx**.
* Have necessary knowledge in working with **cloud based solutions** like **Parse and Firebase.**
* Knowledge in application **testing, debugging, and troubleshooting.**
* Excellent critical and analytical thinking skills.

# TECHNICAL SKILLS

**Programming Languages:** Java, Objective-C, Ruby, Swift, JavaScript

**Web technologies:** Ruby On Rails, AngularJS

**Mobile Platforms :** Android, iOS

**Databases :** MySQL, SQLite, PostgreSQL

**Development tools :** Eclipse, Xcode, NetBeans, Aptana Studio 3, Android Studio, RubyMine, PyCharm, Sublime Text

**Documentation Tools :** Google Docs, OpenOffice Suite, Microsoft Office Tools

**Version Control :** SVN, Git, Mercurial

# PROFESSIONAL EXPERIENCE

**Honeywell, Minneapolis, US**

**Project: Honeywell Lyric (May 2017 - Present)**

Honeywell Lyric is a Wi-Fi connected platform that is designed to simplify home comfort, security, and awareness by controlling connected home products with a single app.

**Technologies:** iOS, Swift 3.1, Xcode 8.3.3, Git, Core Location, Beacon, XCTest, Auto Layout, URLSession

**Roles:** iOS Developer

**Responsibilities:**

* Rewrote the existing Geofence implementation as a Cocoa Touch framework.
* Integrating beacons to aid geofence implementation.
* Integrated the beacon and geofence framework to the the main Lyric app.
* Followed TDD for the entire implementation.
* Redesigned profile and associated accounts module.

**Links:**

* <https://itunes.apple.com/us/app/honeywell-lyric/id880332077?mt=8>

**Lily, California, US**

**Project: Lily (Nov 2016 - May 2017)**

Smart assistant that fetches personalized fashion from your favorite stores. Easiest way to find fashion from your favorite stores, that always flatters your body & feels your best.

**Technologies:** iOS, Swift 3.x, Xcode 8.3.x, Auto Layout, Braintree, Git, JSON, Alamofire, ObjectMapper, messenger platform,Ruby, Ruby on Rails, MySQL, Capistrano

**Roles:** Team Lead, iOS Developer

**Responsibilities:**

* Worked closely with Product Manager and development teams to design and build the solution.
* Lead a team of 3 to architect and develop web and mobile applications.
* Designed the cart and box module.
* API module implemented.
* Implemented and integrated the apis for Lily chatbot in native iOS app.
* Entire order flow implementation including braintree integration.
* Worked on integrating the facebook messenger chat bot for Lily Facebook page.
* Added the ability to login/sign up, browse dresses, update your profile, and even purchase items all through facebook messenger.
* Shopping cart module for iOS app.

**Links:**

* <https://itunes.apple.com/us/app/lily-fashion-personal-styling-clothes-shopping/id1120322965?mt=8>

**Styckie, Maryland, US**

**Project: Styckie (Mar 2016 - Nov 2016)**

An app suite with admin, user, and professional web/mobile apps. Highlighted feature is to bring professional help for tasks like photography, event planning, and so on.

**Technologies:** Xcode 8.x.x, Objective-C, Auto Layout, Applozic, RoR, Git, Alamofire, PostgreSQL, Capistrano, XCTest, XCUITest, XCode Server

**Roles:** Team Lead, iOS Solution Consultant

**Responsibilities:**

* Worked closely with Product Manager and remote design and development teams to design, build, test and deploy the application suite
* Lead a team of 5 to architect and develop web and mobile applications
* DB architecture design and base application setup.
* Created restful APIs for mobile and web applications.
* Applozic Chat SDK integration for iOS app.
* Added the ability to deploy multiple apps (backend, user web app and admin web app) using Capistrano.
* Continuous integration using XCode Server.

**Links:**

* <https://itunes.apple.com/us/app/styckie-pro-get-event-jobs/id1131182989?mt=8>
* <https://itunes.apple.com/us/app/styckie-event-services/id1142093090?mt=8>
* <https://play.google.com/store/apps/details?id=com.styckie.pro.styckiepro&hl=en>

**Ecocentric Energy, Perth, Australia**

**Project: Numen Installer, FM, Backend, and Admin Apps (June 2015 - Mar 2016)**

Enables electricians to configure different electrical components in a client site.

**Technologies:** Xcode 7.x.x, Objective-C, AFNetworking, Core Data, iCarousel, Git, Jira, Swift 2.2, Auto Layout, Alamofire, ObjectMapper, WebSocket, Core Animation, Core Audio, AVKit, Core Graphics, SocketRocket, Twisted, AngularJS, Redis, Jenkins, KIF

**Roles:** Project Coordinator, iOS Solution Consultant, Lead Developer

**Responsibilities:**

* Acted as a single point of contact with the client and involved in requirement gathering phase and created an iteration plan.
* Directly interacted with our UX experts to provide suitable design options to our client.
* Developed Numen Network, Builder, and Site modules for iPad App.
* For iPad App, implemented the socket communication with collector and gateway devices using SocketRocket client.
* Touch ID local authentication for supported devices.
* Functional testing using KIF.
* Photo Viewer, Audio/Video Player for notes attachments.
* Created charts for Financial manager app to provide info on usage and down
* Implement app re-branding and theme changes.
* Created the socket communication document for server side team.
* For socket server and client apps, assisted our client in setting up both the apps in his local machine and also involved in automating the deployment process and integration part of mobile and web projects.
* Defined the pattern of communication through web sockets.

**Privatefly, UK**

**Project: PrivateFly Mobile Apps (Aug 2014 - June 2015)**

PrivateFly is the fastest growing private aviation company in Europe, combining award-winning booking technology with a dedicated 24/7 team of private aviation experts.

**Technologies:** Xcode, Objective-C, SVN, Flurry, XML, Jira, XLIFF

**Roles:** Team Lead, iOS Developer

**Responsibilities:**

* Directly interacted with the client and prepared the iteration plan.
* Lead the mobile team and worked on parallel iterations for our client.
* Implemented iPhone and iPad screens for Account section, Flight Schedule, Charter Contract, Invoice, Terms & Conditions, and new Settings pages.
* Created a new base web service class to deal with XML web service response.
* Created XML to object parser.

**Links:**

* <https://itunes.apple.com/in/app/privatefly/id352575804?mt=8>
* <https://play.google.com/store/apps/details?id=pfly.android&hl=en>

**Ingogo, Australia**

**Project: Ingogo App Suite (Passenger & Driver) (Apr 2012 - Aug 2014)**

Ingogo App Suite consists of driver and passenger applications for Android and iPhone. Ingogo app allows users to request a taxi, bid for guaranteed pick-up during peak hours, and get real-time updates of the whereabouts of the booked vehicle, all through their mobile device.

**Technologies:** Java, Android SDK, Eclipse IDE, Android NDK, XCode, Unimag Reader SDK, Square Card Reader, Objective-C, Jira, PosGate Framework for iPhone, PosGate Framework for Android, Flurry, Google Analytics, Mercurial, Facebook API, Twitter API, JSON, ThreadPoolExecutor, GSON, ASIHTTPRequest.

**Roles:** Team Lead, iOS/Android Developer

**Responsibilities:**

* iOS/Android development for Iteration-22 to Iteration-36.
* Facebook Integration.
* Custom ROM related issue fixes.
* Designed and implemented the payment module
  + Implemented Square card reader in iOS.
  + Integrated Unimag II card reader in Driver Android and iPhone.
  + Card data encryption and Payment module implementation.
  + Integrated the iSMP card reader and printer for iPhone driver.
  + Implemented the iSMP card reader and printer for Android driver.
  + Implemented the printer functionality with PosGate framework for Android driver.

**Links:**

* <https://itunes.apple.com/au/app/ingogo-fixed-fares-for-taxis/id463995190?mt=8>
* <https://play.google.com/store/apps/details?id=com.ingogo.passenger&hl=en>

**Leapset, US**

**Project: Leapset (Aug 2011 - Apr 2012)**

Leapset for iPhone helps users fetch restaurants, make purchases using their credit cards. This app uses your smartphone's GPS or a zip code to locate merchants near you.

**Technologies:** Objective-C, Xcode, SVN, Apple Push Notification, Facebook Twitter Foursquare Google Latitudes share APIs.

**Roles:** Team Lead, iOS Developer

**Responsibilities:**

* Lead the mobile team of 3 developers.
* Worked closely with the backend team of our client to define and integrate APIs.
* Created a new base web service class to deal with JSON web service response.
* Worked on cart, checkout and payment modules.

**Links:**

* <https://itunes.apple.com/us/app/leapset/id496380218?mt=8>

**MyFit Fitness Inc, British Columbia, Canada**

**Project: MyFit - Workout Logger (Feb 2011 - Aug 2011)**

iPhone fitness application for Rod Ferries (MyFit.ca) mainly focuses on body fitness.

**Technologies:** Xcode, Objective-C, SVN, Core Plot, Core Data

**Roles:** iOS Developer

**Responsibilities:**

* Involved in requirement gathering phase and created the API document for the project.
* End to end development along with working as a single point of contact to the client.
* Coordinated with the backend team from Canada to define the API endpoints and to integrate the APIs to the iOS App.
* Implemented a centralized data sharing model.
* Implemented the Routine Logger Module.
* Integrated Core Plot to view various stats based on a date range.

**Links:**

* <https://itunes.apple.com/us/app/myfit-fitness-workouts-gym/id475628210?ls=1&mt=8>

**InfraWare, Indianapolis, US**

**Project: InfraWare eSignoff App (May 2010 - Feb 2011)**

Infraware eSignoff Universal App (Phones and Tablets) is developed for InfraWare, Inc. It uses InfraWare 360 platform to review and eSign documents using your mobile device. After the initial release of the iOS app, client awarded us with the android app.

**Technologies:** Xcode, Objective-C, Java, Android SDK, SOAP.

**Roles:** iOS/Android Developer

**Responsibilities:**

* Implemented the basic navigation of the application.
* API Handler and Soap Parser Modules for web services.
* Implemented the module to display pdf files.
* Involved in creating interface elements for iPad.
* Involved in solving device orientation issues.

# EDUCATION

**2010** - **Bachelor of Technology in Computer Science & Engineering**

University of Kerala - Lourdes Matha College of Science & Technology

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