**Rojina Shrestha**

**SUMMARY**

* Programming in Objective-C, Java and PHP
* Mobile application development in iPhone and Android platforms
* iOS: threading, asynchronous callbacks, custom delegates/protocols, block code, animations, http based client-server communications, Push Notifications, App submission, App-store Certificate management, Testflight distribution, JSON/XML Parsing, SqlLite, XMPP based messaging, Image/Object offline-caching, Maps, Location service, external framework integration eg Facebook SDK.
* Android: Async-task, Application Context, Threading, offline caching in Android platform
* Sound knowledge of OOP, JSON, XML, HTML, REST, N-Tier, MVC framework, TCP/IP protocol
* Experience in creating software project documentation and software load test plan
* Over 4+ years of software development experience in multiple programming languages.
* Good knowledge of working in Mac OS, Linux and Windows environments
* Good at handling multiple projects in fast-paced environment and quick-learner with can-do attitude.

**EDUCATION** Master in Computer Science from SDSU, SD, USA

**WORK EXPERIENCE**

* **iOS Engineer, TechAnyWhere Inc, Fremont CA**

**Sep 2012 to present**

* + Designed and implement iOS apps from scratch.
  + Currently there are two free apps available in app store, GeoHives and GLocater
  + Knowledge of the entire architecture of GeoHives and Glocater from end-to-end:
    - Authentication and authorization
    - User session handling
    - Cookies for persistent session
    - Design Location based service for local discovery and navigation
    - Some development experience in MVC based Codeigniter Framework for PHP
    - Use of proper error handling on both client and server application for better user experience (prevent apps from crashing)
  + Designed Product using wire-frame like Omnigraffle, Pencil
  + Use TestFlight to deliver new build for testing
  + Good understanding of Apple App store certificate management
  + Release new version of apps to App store for review
  + Working on GeoHives iPad App
  + Worked on: Asynchronous Image fetch & caching, Asynchronous HTTP calls, Collection View, Interface with JSON Api, Integrate 3rd party Framework such as Facebook, ASIHTTP, Google API; iOS location, Interaction on Map View e.g handling touch events & gestures, drop pins.
* **Software Engineer at MShift, Inc, Fremont, CA** **Jan 2010 to Aug 2012**
  + Lead the engineering team in the design and implementation of Banking App in Android Phone and iPad Platform.
  + Involved with the product team from the very beginning of the design conception and worked with multiple clients for requirement collection and feedback.
  + Create design prototype, Data-Flow and high-level project architecture for presentation to Project Managers and clients.
  + Responsible for designing XML schema for communication between mobile App and Gateway system. Required coordination with gateway app developers.
  + Implemented the original design to create products. New banking apps are ICCU, Lockheed Credit Union, Bank Pacific, Royal Credit Union, Town Bank to name few.
  + Allocate tasks, bugs to junior programmers and train them to bring them up to the speed with the project
  + Gave the engineering dates to project manager, distributes the work to the juniors, worked with QA to find out the bugs and help them to make test cases. Communicate with QA team lead and makes work flow fast. And also communicate with release person to push the production on production environment and verify everything is ready to go live and finally handover to product manager to release to clients.
  + Work with Offshore team and assign bugs for server side.
  + Support existing iPhone clients, fix bugs, and implement common solutions for iPhone and Android applications.
  + Work with middle layer developers for designing, tweaking & bug-fixing in iPhone, BlackBerry and Android apps.
  + Redesigned some reusable components from scratch that is shared by all Mobile-banking apps. Eg Rate display, contact information etc
  + Worked on “Mscript language” to troubleshoot/bug-fix issues in the middle-ware application
  + Environment: Java, Coco-Framework for iPhone, Android Framework, XML
* **Programmer/Web master at SDSU, SD** **Jan 2008 to Dec 2009**
  + Designed and Developed Web application from ground-up using .Net Framework and C# programming language, a web Application to store information about student, teacher and the course schedule
  + Designed relation schema in MS SQL Server
  + Reporting feature implemented using Crystal Report.
  + Design and Develop Three-tire Web Application using MVC Design Pattern using C#, SOAP and XML.
  + Environment: C# .net Framework, MSSql, XML, SOAP
* **Software Quality Assurance – Daktronics Inc, SD Jun 2007 to Dec 2007**
  + Designed network monitoring infrastructure and metrics for test simulation
  + Simulated multi-client communication using threading
  + Setup Linux server and Cacti for SNMP based monitoring
  + Used perfmon to capture various systems related matrices
  + Contributed in initial design and development (in C#) of simulator for display board
  + Simulated SOAP/XML for data communication between the client and server nodes
  + Environment: SOAP, XML, C#