

SUBASH THAPA

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MOBILE APPLICATION DEVELOPER

Progressive and highly motivated software developer with passion for mobile application development across multiple platforms. Innovative angle to problem solving from engineering perspective. Team player, actively contributing to all stages of software development life cycle (SDLC), including requirements gathering and module integration. Analytical thinker, monitoring projects to ensure adherence to specifications and identifying areas of potential design enhancements.

CORE COMPETENCIES / TECHNICAL SKILLS

Mobile Applications · Customized Solutions · User-Friendly Systems

Android · iOS · Xamarin · Cross-Platform Technology · Concept Innovation & Ideation

User Interface (UI) / User Experience (UX) Design · Non-Technical End-User Training · Creative Solutions

Program Synergy · Adaptability · Project Coordination · Digital Transformation · Cross-Functional Teamwork

Languages: Java, Swift, Objective C, C Sharp, C, C++, VHDL, SQL, T SQL

Scripting Language: Javascript, CSS

Web: Spring, Hibernate, JASON, HTML, JQuery, Servlet, Ajax, JSP, WordPress

Cloud Service: Parse, Firebase

WebService: REST, SOAP

Databases: MySQL, SQLite, Microsoft Sql Server, Realm

Tools: Android Studio, Xcode, Xamarin Studio, Sketch, Eclipse, NetBeans, GenyMotion, Datum, SceneBuilder, Spring Tool Suite (STS)

Operating Systems: Mac OS X, Windows

Platforms: Android, iOS, Xamarin, Xamarin Forms

Java Frameworks : Spring, Hibernate, Log4j

Frameworks: Google Cloud Messaging (GCM), Google maps, Barcode Scanner, Facebook, Paypal

Design Patterns: Design Patterns: Singleton, Prototype, Factory, Builder, Abstract Factory, Adapter, Composite, Façade, Bridge, Flyweight, Proxy, Decoder, Chain of Responsibility, Command, Strategy, Iterator, Template, Mediator, Observer, Memento, State, Visitor, Interpreter

SDLC: Waterfall, Agile-Scrum

Version Control : Git

Build Tools : Maven, Gradle

Concepts : OOPS, SOA.

Others: Core Data, Xaml used in Xamarin, JavaFx, Swing, Cocoa Touch Framework, UML, In App purchases, iAd

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

Local Governance & Community Development Program (LGCDP)-II

Nepal Government, Office of District Development Committee, Bara, Nepal • Nov 2014-Oct 2015

Information Communication & Technology (ICT) Engineer

Lead role in Office of District Development Committee (DDC) IT department. Planned and designed both Android apps and iOS apps. Designed UI for Android and iOS apps, coded backend, and followed through with testing, debugging, troubleshooting, and maintenance. Designed and implemented IT and software development training to 35 office staff members on Android and iOS apps. Provided ongoing staff technical support.

- Drove office synchronicity and communication by creating 1st-ever mobile office app for Android and iOS.
- Planned, designed, implemented, integrated, and tested both Android and iOS app for District Development Office.
- Spearheaded digital transformation process, replacing paper-based attendance with biometric system.

Technologies: Languages: Java, Objective C, Swift ,SQL; **Web:** JASON, HTML; **Databases:** SQLite, CoreData; **Tools:** Android Studio, Xcode, Datum, GenyMotion ;Cloud Service:Firebase UI Design:Sketch; **Platforms:** Windows, OS X.

YORBIT TECHNOLOGIES PVT LTD, Kathmandu, Nepal • Oct 2013-Oct 2014

High-level enterprise & financial application development & implementation company.

Android Developer

Developed and maintained Android applications. Converted design into clean, easily maintainable and updatable code. Assessed project requirements and created applications in line with expected outcomes/specifications.

- Collaborated on UI/UX design for Android applications using Sketch.
- Optimized application performance through ongoing monitoring, identifying bugs, and resolving issues.
- Connected Android applications to function with backend services, such as parse.

Technologies: Languages: Java; **Web:** JASON, HTML, CSS, Parse; **Databases:** SQLite; **Tools:** Eclipse, Android Studio, GenyMotion; **Platforms:** Windows, OS X.

ACADEMIC PROJECTS

Projects completed at Maharishi University of Management include:

- **AyurMed(Android App) :** Coded portion of project creating Android based application providing authentic information regarding Ayurvedic supplements and nearby stores. Provided notifications on healthy lifestyle choices.
- **Telephone Company Database:** Teamed with 2 colleagues to design database applicable for telephone company. Employed MSSQL database management system. Used TSQL as programming language. Implemented diverse stored procedure.
- **Good Fellas Online Shopping System:** Implemented RESTful web service for this web application aimed at showcasing student abilities to apply course knowledge to offer faster and more reliable, scalable, and complete solutions. Used Spring Boot, required to maintain internal and external system communication.
- **Library Management System:** Collaborated on complex Java application enabling library staff to easily manage books and publications. Used JavaFx for building UI and object serialization for data persistence. Tools used include Eclipse and SceneBuilder.
- **Online Dictionary:** Built monolith web application using Java Servlets, HTML, CSS, jQuery, Ajax, and JSON with Java Database Connectivity (JDBC). Utilized MySQL database. Applied Web Application Programming course skills to complete project.
- **Student Grading System:** Java application able to calculate student grades considering various factors including scores from written exams, attendance, and class participation. Used Swing for building UI, and MySQL for permanent data storage.

Projects completed at Kathmandu Engineering College include:

- **GSM Based Home Automation**
- **Smart Traffic Management System Using Image Processing**

EDUCATION

Master of Science in Computer Science, Maharishi University of Management, Fairfield, Iowa

In progress via distance education courses, expected completion: 23/06/2018

Coursework:

Fundamental Programming • Modern Programming Practices • Web Application Programming
Database Management System • Enterprise Architecture • Advanced software development • Algorithm •
Introduction to Computer Security

Bachelor of Science in Electronics & Communication Engineering

Kathmandu Engineering College, Kathmandu, Nepal

Coursework:

C • C++ • Microprocessor • Computer Organization & Architecture • Advanced Electronics
Wireless Communications • Computer Network • Embedded System