Amit Gupta

Date of birth: 07/12/1994 | Nationality: Nepalese | Gender: Male |

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About me: I am an Android Developer(Native) with a working Experience of 4 years. I have experience with developing Scalable and Maintainable Android Apps focusing on Clean- Architecture, Testing, and SOLID principles.

• WORK EXPERIENCE

20/11/2019 – CURRENT – kathmandu
MID-SENIOR SOFTWARE ENGINEER : AOSP(ANDROID OPEN SOURCE PROJECT) – New IT Venture

- Had Training at **China**(Dongguan, Guangdong) for Flashing and customizing Amlogic hardware based **Android** Set Top Box(**STB**).
- Research on Building custom **ROM** for Amlogic hardware based Android STB
- Research on use of hidden apis, changing **bootloader** image, bootloader animation etc from Android OS Source Code
- Research on writing **Factory version** of App, making a system app and writing and building a project/app using GNU Make(which is used by **AOSP**)
- Made a Settings app which included showing and controlling Ethernet, Sound, WiFi etc

Kathmandu, Nepal

10/05/2020 – CURRENT
FREELANCER – Upwork

https://www.upwork.com/freelancers/~017e69fac486e4649b
- Work on variety of Android Projects
- Work on Code and Questions Review
- Work on pushing and updating clients app to Google Play Store

05/07/2018 – 19/11/2019
MID LEVEL SOFTWARE ENGINEER – Insight Workshop

- Develop Android Application
- **Architect** the software
- **Mentor** the new software engineer
- **Collaborate** with the team
- Adopt Agile methodologies to drive software development lifecycle
- **Review** Code
- Research and implement new technology
- Make Modules for various service components with a unit test

- Maintain PSR and release notes at end of each **Sprint**

https://insightworkshop.io/ | Kathmandu, Nepal

01/12/2016 – 05/07/2018
SOFTWARE DEVELOPER – New IT Venture

- Develop Android Application(**Streaming** App) for OTT and IPTV media contents.
- Handle Android and Media server communication and **authentication** for streaming
- video contents.
- Research and development for video files encryption, decryption, download and
- play(both playing by loading whole video into memory and also by loading chunks of **e ncrpyted** video into memory which is decrypted and played by the videoplayer(exoplayer).
- Coordinated with web team

http://www.newitventure.com/ | Katmnadu, Nepal

06/06/2016 – 06/09/2016
SOFTWARE ENGINEER INTERN – Leapfrog Technology

- Make an internship project called "**Awaz**" for Android platform, using Java and **DSP** algorithms. The android app could record and play audio along with graph visualization for both time and frequency domain.It could accurately calculate the fundamental frequency of the sound and match it to a particular note(if the audio is from a **musical** instrument).
- Github: https://github.com/Gaune-bhyagutta/Awaz

https://www.lftechnology.com/ | Kathmandu, Nepal

● CODE AND PROFILE

Link To Code and Profile

Upwork: https://www.upwork.com/freelancers/~017e69fac486e4649b
Play Store: https://play.google.com/store/apps/developer?id=amitgupta1994
Medium: https://medium.com/@iamitgupta1994
GitHub: https://github.com/AmitGupta1994/
LinkedIn: https://www.linkedin.com/in/amitgupta1994/

PROJECTS

Android Projects (Team Projects)

NetTV: https://play.google.com/store/apps/details?id=np.com.nettv
Karobar Daily: https://play.google.com/store/apps/details?id=com.newitventure.karobardaily
Music Nepal: https://play.google.com/store/apps/details?id=com.gdeasia.mjamsnepal
Yatru Driver: https://play.google.com/store/apps/details?id=io.insightworkshop.yatrudriver
Yatru: https://play.google.com/store/apps/details?id=io.insightworkshop.yatrupassenger

Self Android Projects

Notes-App: https://play.google.com/store/apps/details?id=com.amitgupta.notesapp
Remainder-App: https://play.google.com/store/apps/details?id=com.amitgupta.remainder_app

DIGITAL SKILLS

Android Development(Native) Skills

Native Android Development (Kotlin Java) | Mockito | Realm | Kotlin coroutines | Android Design Patterns | ROOM | MVVM MVP Clean Architecture | RoboElectric | Expresso | Repository Pattern | Retrofit2 | Dagger2 | Koin | Junit 5 | Android Jetpack

Databases

MySQL | SQLite3

Web Development

Spring Framework | Spring-Hibernate | Spring Boot | Spring MVC | JSP Servlets | CSS + HTML

Cloud Computing

AWS SAAS | AWS EC2 | AWS Lambda | AWS SES | AWS SQS | AWS S3

Programming Langauges

Java - Java Android Java backend | Kotlin | Python | Basic JavaScript | C | C++

Architecture,Framework,Patterns

MVVM | MVP | MVI | Clean Architecture | SOLID principles | Adapter Design Pattern | Listener-Observer Pattern

Scripting Langauges

Shell Scripting (bash)

Build Tools

Gradle | MAVEN | GNUMake

Version Control

Git VCS | Git (Github Gitlab) | Bitbucket

● EDUCATION AND TRAINING

2012 – 2016 – Dhulikhel, Nepal

Computer Engineering – Kathmandu University,Central Campus

http://ku.edu.np/

● RECOMMENDATIONS

Kiran Kumar Regmi – Manager, LeapFrog Technology – (+977) 9841312278
LinkedIn: https://www.linkedin.com/in/kiran-kumar-regmi-05145162/

Bijay Shrestha – Chief Operating Officer, Insight Workshop – sbijay@insightworkshop.io
LinkedIn: https://www.linkedin.com/in/bijay-shrestha-465b3877

Rajendra Prasad Poudel – Director, New IT Venture Corp. – rajendra.poudel@newitventure.com
LinkedIn: https://www.linkedin.com/in/rajendra-prasad-poudel-588269b/

● ACTIVITIES AND ACHIEVEMENTS

National Robotics Competition-RAN (Robotics Association of Nepal) (19 December 2015):

Won First prize in Robotics Competition organized by Robotics Association of Nepal for Automated Fighting Robot.

UAV (Unmanned Aerial Vehicle) Training, KURC (Kathmandu University Robotics Club) (2015)

Participation

LTSP –Help Nepal(2015)

Volunteer for LTSP system monitoring at Lalitpur

- **STUDY**

Coursera

Engineering Maintainable Android Apps: https://www.coursera.org/account/accomplishments/records/JRT8HLLVAMDF
Kotlin for Java Developers: https://www.coursera.org/account/accomplishments/verify/EYULU22TBFQZ
Version Control with Git: https://www.coursera.org/account/accomplishments/verify/3AL8WHQJAMGH
Agile with Atlassian Jira: https://www.coursera.org/account/accomplishments/verify/F2RY562WX3AL
Building Cloud Services with the Java Spring Framework: https://www.coursera.org/account/accomplishments/verify/6HREDC48ZXST
AWS Fundamentals: Going Cloud-Native: https://www.coursera.org/account/accomplishments/records/PVW8VKNNBL84