
Annanya Sah

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QUALIFICATIONS

- 5 years of varied industry experience in Full Stack and Mobile App Development.
- Published 2 native Android apps to Google Play Store and created 10 Hybrid Applications for Android, iOS and Windows, delivered APIs on NodeJS
- Skilled in Distributed System technologies.

SKILLS

Languages: Java, JavaScript, Python

Libraries: Android SDK, Android Jetpack, Firebase, Retrofit, Picasso, ButterKnife, Dagger2, Volley, Chart.js

Frameworks Native Android, Ionic, Angular8, Electron, OnsenUI, Cordova, NodeJS, OAuth2.0, Nginx

Databases: SQLite, Room, MySQL

Tools and Technologies Android Studio, GitHub, Gradle, Visual Studio Code, Postman, JIRA, Genymotion, Firebase In-App Messaging, HTML, CSS, Material Design, SourceTree, BitBucket

Architecture MVVM, MVC, REST, SOAP

PROFESSIONAL EXPERIENCE

Northeastern University

Graduate Teaching Assistant (May 2022 - Present)

- Creating rubrics for assignment and projects for the course
- Conducting lab sessions for technical projects and helping students in the course
- Managing course logistics by providing support to teaching professor

Siemens

Software Engineer (August 2019 – December 2022)

- Implemented token introspection on a NodeJS backend to use Modern OAuth2.0 Authorization
- Added Nginx server as a load balancer to an existing Node App improving its performance
- Migrated a hybrid mobile app to Windows desktop using Electron-Angular
- Implemented OAuth authentication on Windows Cordova application
- Created UI/UX design layout for mobile version of existing application using Pencil
- Migrated desktop hybrid app to mobile apps on Cordova-Angular-OnsenUI stack
- Implemented feature requests and resolved bug fixes for the app
- Worked with SourceTree and BitBucket for continuous integration with git
- Migrated authentication services from Siemens internal encryption-based process to Amazon Cognito

CGI

Software Engineer (Dec 2018 – Aug 2019)

Associate Software Engineer (Dec 2016 – Oct 2018)

Android Development-

- Developed 2 Native android apps from prototypes using SQLite, Room and 3rd party libraries.
- Architect the app to support new features, different screens and locale.
- Used Material Design specifications leading to high user satisfaction and reducing UI issues.
- Implemented client-side integration with RESTful APIs using Volley Library.
- Installed and used Crashlytics to track and fix app issues, saving troubleshooting time as well as improving app quality.
- Documented architecture and implementation for internal and external reference.

Hybrid Apps Development-

- Designed, developed and tested 7 hybrid apps using Ionic framework(v3,v4) targeting App stores and client's internal proprietary platform.
- Created a POC app to replace client's web portal application improving upon UX.
- Provided go-live support for technical issues administering smooth client adoption globally.
- Generated Python scripts to automate existing manual language translation file management for apps, reducing several man hours to minutes.

Java Relevant Work –

- Created RESTful APIs in Java with strong emphasis in MVC pattern and OOPs principles that communicate with mobile apps.
- Analyzed and debugged backend written with Java for better functional knowledge.

EDUCATION

Northeastern University

Masters of Science in Computer Science

Spring 2022

- CS5010 Programming Design Paradigm [4/4]
 - Build a multiplayer video game with GUI using Swing and MVC
- CS6650 Building Scalable Distributed Systems [4/4]
 - Created a fault tolerant multi threaded and replicated Key-value store using PAXOS
 - Implemented a POC for Dropbox with replication and fault tolerance using Vector clocks and multi PAXOS

Summer 2022

- CS5800 Algorithm

Boston, US

Jan 2022 - Dec 2023

BBD National Institute of Technology and Management

Bachelor of Technology in Information Technology

Lucknow, UP, India

Aug 2012- June 2016