
IMRAN BILAL SOLANKI

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Software Development Engineer III - Back End

Skills

Medly Tech/Digital Pharmacy

Development Contribution

- Tech
 - Event Driven Architecture
 - Serverless
 - CCD architecture
 - Language and framework: Kotlin, Micronaut, Amazon Kinesis, Amazon SQS, Gradle build, Onfleet, Github actions
- Feature
 - Activity Log
 - Authorised Drop off
 - PharmOS integration
 - Enhancements to Onfleet integration
- Team Contribution
 - Coaching and mentoring
 - Knowledge sharing and setting general guidelines for code improvement
- Company Contribution
 - Member of different initiatives group - AWG(architectural working group), ARG(architectural review group), Engineering Leads sync
 - Seminar on 'Improve application architecture performance'
 - Contribution in different RFCs

Android Development

- The work experience includes creating & managing SmartPhone & Tablet compatible Android applications within the domain of HealthCare,Antivirus, MDM,Smart Home, Audio/Video Calling, Video Surveillance, IoT, DeviceMonitoring etc.

Tools & Technologies: Android SDK, Kotlin, Android NDK, Amazon Cognito SDK, Data Binding, Firebase, GSON, LeakCanary, MVVM, MVP, Retrofit, RxJava, RxAndroid, Material Design, WebRTC, Kaltura, Avaya CSDK, Fitbit APIs, Microsoft Emotion API, Google APIs, FFMPEG, Gradle, Beacon etc

Testing : JUnit,Mockito,Espresso

Back End Development

- Avaya NGM(Next gen management). Avaya is an American multinational technology company that specializes in business communications, specifically unified communications (UC), contact center (CC), and services. The project is about the development of NGM products for CC unit.
- Design and implementation of features using Spring Boot, Kafka and cloud technologies.
- Design and implement different CECs (common engineering criteria).
- Implemented web services as part of MDM Policy server implementation.
- Implemented complete BackEnd for ConnectMe project providing token-based security to REST APIs.

Tools & Technologies: Spring Boot, Spring AOP, MDC, YAML, Swagger, Rest API, Open API, Kubernetes, JUnit, Python 2.7, Flask framework, SQLAlchemy, SpringBoot, STS, Maven, Apache Tomcat etc

Bot Development

- Created and Integrated Voice and Chatbot for Retail and Smart Mall applications.

Tools & Technologies: XMPP, API.AI etc

IoT

- The product that allows creating the perfect ambience at home and can manage electronic appliances.
- The overall development of Plug which works on WiFi socket capable of operations like Search/Configure/Add plug, Turn On/Off, Set timing.
- The overall development of the Mobile application by designing custom protocol for metering domain and collaborating with cloud & hardware team to develop a protocol that ensures minimum operation time.

Tools & Technologies: OEM Plug SDK, XMPP Protocol, MPAndroid Chart etc

Android Automation

- Working knowledge of Android automation framework to test applications during development process.
- This generates a report which gives details about a total number of test cases that passed/failed, memory usage, CPU usage per test case of application etc.

Tools & Technologies: Android Test Framework, TestNG APIs, ADB command line utility etc

MDM

- Working knowledge of Android MDM applications.
- Working knowledge of MDM Policy Server for Samsung and Windows phones.

Tools & Technologies: Samsung Enterprise SDK(3.0,4.0), Samsung Knox SDK, Samsung/Windows MDM Protocols, Python 2.7, Flask Web Service framework, ORM, MySQL database, Sublime Editor, Charles Proxy, Version One, SVN, Bugzilla etc

Work experience

Oct 2021

SDE III

Medly Tech

Sept 2018 - Current

Lead Software Engineer

GS Lab

✓ Currently working on Avaya NGM product back-end. Avaya is an American multinational technology company that specializes in business communications, specifically unified communications (UC), contact center (CC), and services. The project is about the development of NGM products for CC unit.

Tech Stack: Java, Spring Boot, Kafka, Postgres, Kubernetes, Microservices architecture, Azure, JUnit etc

March 2016 - Aug 2018

Senior Software Engineer

GS Lab

✓ Lead Android and iOS teams to develop a minimum viable product for Sonde Health. The product is recently demoed to Jeff Bezos(CEO-Amazon). Sonde Health is a digital medicine company developing voice-based technology platforms to transform the way we monitor and manage mental and physical health.

✓ Worked on the application as part of Video Surveillance solution of Cisco which involves complex multi-tenant solution understanding, setting up the development process for the mobile team, feature proposals, R&D and bug fixing.

✓ Worked on a team from the beginning which created an IoT based solution that required custom protocol design and implementation and constant collaboration and engagement with Embedded/Cloud team and product owner to develop best quality mobile application.

✓ Worked on "Smart Solutions" for Retail and Healthcare segments which were created using Avaya infrastructure and technologies within the VoIP domain. Created prototypes using Avaya Breeze CSDK & SnapIns which were successfully demoed at Avaya Gitex(Dubai) and Avaya Engage(LasVegas) events.

✓ Worked on feature implementation and bug fixing for Web RTC based video communication solution for senior citizens and ageing population.

✓ I also mentor and guide developers as part of project induction and training within the team.
PlayStore Links - [Cisco VSM](#), [OptaCareLLC](#), [GS Lab Solutions with Avaya @Gitex2016](#)

Avaya Hackathon Media Coverage - [Telegraph India](#), [ZeeBusiness Coverage](#), [IDGConnect](#)

Sonde Health - [MIT News](#), [MARS-Jeff Bezos](#)

June 2012 - July 2015 Software Engineer

[Spring Computing Technologies Pvt. Ltd.](#)

- ✓ Understanding and gathering Project Requirements
- ✓ Designing the architecture and implementation of MDM policy server (implemented in Python-2.7)
- ✓ Understanding Requirements as well as BYOD, MDM, IoT terminologies
- ✓ Designing the architecture and implementation of Android applications; considering version compatibility, CPU performance, memory consumption & feature usability
- ✓ Enhancing UX of applications
- ✓ Improving qualities of the product by fixing issues in build (critical, major and enhancements)
- ✓ Wrote build scripts to automate the build creation process, thereby decreasing the build time drastically
- ✓ Supporting QA Automation engineer by working as an R&D engineer and to do application profiling

PlayStore Links - [MyDevices](#), [SmartDevices](#), [QuickHeal-Mobile](#), [QuickHeal-Tablet](#)

Jan 2012 - May 2012 Intern Software Developer

[Media Magic Technologies](#)

- ✓ Integrated FLAC encoding scheme into existing driver
- ✓ Used WinDBG to debug issues and BSODs
- ✓ Used Wireshark to analyse network packet transmissions
- ✓ Used MFC to do UI development tasks (Setting, Configuration screens etc)

Achievements

Winnner pan India Avaya Hackathon 2017

My team 'DigiCrafters' won the first prize in pan India Avaya hackathon 2017 to build next-gen Android-based communication-enabled application powered by Avaya Breeze platform, Zang Cloud and Vantage devices.

Pat On the Back

Certificate comment - "Great team spirit and tireless work ethics to deliver well-crafted apps that were highly appreciated at Gitex & Avaya Engage. Keep up your good attitude"

Innovator - UNIKEN INNOVATION LECTURE SERIES

Our idea was shortlisted among the top 25 ideas of Pune city and was showcased at the 2nd UNIKEN INNOVATION LECTURE SERIES.

1st Prize for Software Project Competition

Won the 1st prize in Tech N Talent Competition in the year 2010 under Software Project Competition category.

Education

2010 - 2012

Master in Computer Science

[Nowrosjee Wadia College, Pune](#)

2007 - 2010

Bachelor in Computer Science

[Nowrosjee Wadia College](#)