

# Aagman Gour

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## Principal Engineer

8+ years experienced Software Developer with Bachelor's Degree in Electronics and Communication Engineering and a PG Certification in Blockchain Development. Highly skilled in Real Time Communication technologies with deep understanding of telecom protocols and WebRTC with a proven track record of developing solutions in the field of RTC. Adept at engineering user-centric solutions across multiple platforms to drive breakthrough efficiency and enhance the overall client experience.

### TECHNICAL SKILLS

**Programming & Scripting Languages:** C, C++, Java, JavaScript, Golang    **IDE:** Visual Studio, Android Studio, XCode & IntelliJ  
**Operating Systems:** Mac-OS, LINUX, Windows

### KEY SKILLS

• VoIP Development • WebRTC • UDP, TCP networking • Docker • Kubernetes • AWS • Blockchain Development • Object-oriented Programming • Version Controlling • Scalable Media Solutions

### EDUCATION

- PG Certification in Blockchain Development | IIIT Bangalore | August '19 – March '20 | CGPA : 3.89/4
- B. Tech. | LNMIIT | Jaipur, IN | '14 | CGPA : 7.08/10

### PROFESSIONAL EXPERIENCE

**Senior Member of Technical Staff | Oracle | Bangalore, IN | Nov '19 - Present**

- Leading Enterprise Communication Media team, that comprises of Cross Platform WebRTC powered SDK development and Media Solution Enhancements.
- Developed SFU prototype with some third-party Media Servers and opensource Media Server, using our own SDK and Signaling Stack
- Oracle WSC - WebRTC based SDKs for Web Browsers, Android and iOS devices. Responsible for fixing production issues and the development of new features as per enhancement requests by customers.
- Sound knowledge of WebRTC related terminologies like STUN, TURN, ICE, SFU.
- Working on prototyping Oracle WSC to be compatible with Different Media Servers to support MCU and SFU based Conference calling features.
- OCCAS – An SIP-based Application Server, responsible for customer enhancement requests and debugging complex production issues.
- Containerization of oracle legacy products using Docker and Kubernetes to make them cloud ready
- Worked on tools like Prometheus, Grafana, Alert manager.  
Working Experience of deployment of Applications on OpenShift Cluster, GKE.
- Ownership of customer escalations raised on WSC, along with solving customer issues on OCCAS.

**Senior Software Engineer | Sonim Technologies | Bangalore, IN | Oct '18 – Oct'19**

**Product:** [Sonim XP3 Sprint Android Feature Phone](#)

**Role:**

- Spearheaded end-to-end application and feature development entailing requirement analysis, design, development, and testing of android telephony framework
- Delivered Sim Lock using RSU single-handedly for locking and unlocking sim from the operator side based on roaming
- Carried out development of Sprint Hidden Menu wherein Implemented various IMS and Sim related parameters and DM client to functionalize various nodes
- Debugged various CDMA/VoLTE/VoWi-fi Lab issues

**Conferred with Sonim Gold Award in 2 consecutive quarters for significant contribution to the Sprint and Canadian projects**

**Software Engineer Consultant | Sonim Technologies (Payroll of Trigent Software) | Bangalore, IN | Feb '18 – Oct'18**

**Product:** [Sonim XP8 and XP5S Rugged Smartphone](#)

**Role:**

- Engaged on the Android Telephony framework- RIL to devise new features and remodeled existing functionality
- Managed operations for Canadian Telecom Operators Rogers, Telus, Bell to provide the required functionality according to their needs like customizing Cell Broadcaster Functionality and AOSP Dialer
- Interfaced with the Qualcomm vendor code to implement the network-related features

**Software Developer | Novanet Private Ltd | Bangalore, IN | Jul '15 – Dec'2017**

**Product:** [tlkn®](#)

**Overview:** tlkn® is an international voice calling app for iOS and Android-based on WebRTC. It also facilitates PSTN (cellular and landline) calls at a fraction of the cost of traditional methods

**Role:**

- Formulated VOIP stack in C++ for Telephony app for android and iOS platform
- JAIN SIP (Java API for SIP Signaling) stack for Android independently, and covered all the Calling scenarios like Call-Hold, Un-hold, Re-Invite, Network-Change, Cancel, Bye, Declined
- Delivered Multi-line Support for Telephony Calls on Android Platform using Java Independently
- Undertook the ownership with WebRTC Audio video call stack porting to the Android SDK

**GET | L&T Infotech | Navi Mumbai, IN | Jan'15 – Jun'2015**

Worked as a Graduate Trainee Engineer on Oracle Peoplesoft

### KEY BLOCKCHAIN DEVELOPMENT PROJECTS & CASE STUDIES

**Drug counterfeiting (08/2019 – 02/2020)**

- Pharmaceutical network implementation using Hyperledger Fabric to control drug counterfeit
- Complete network setup using docker along with chaincode development followed by chaincode installation and instantiation for different stakeholders involved in the network
- Created a Postman collection file corresponding to the workflow of the supply chain

**Property Registration Problem (08/2019 – 02/2020)**

- Hyperledger fabric network for property registration system
- Constructed a Postman collection file corresponding to the work flow of supply chain for the pharmaceutical network

**Decentralized KYC Verification Process for Banks**

- Setup Ethereum network with two types of accounts, admin, and banks. One admin account and multiple bank account
  - Developed smart contract in solidity to Create and Verify KYC over Blockchain
  - Deployed the Smart Contract on Private Network using truffle
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