Ashish Kumar Mishra

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Career Objective:

To secure a challenging position where I can effectively contribute my skills as Software Professional, possessing competent Technical Skills.

Professional Objective:

Have comprehensive problem solving ability, good verbal and written communication skills, ability to deal with people diplomatically, and willingness to learn and team facilitator. Goal and result oriented.

Core Competency :

Module Lead	**Android Automotive**	**Customer solution**
Individual Contributor	**Android Middleware**	**Risk Analysis & Agile and Scrum process**

Domain Skills:

Automotive(In-Vehicle Infotainment-Android Automotive OS)	CarManager, CarService, FOTA CarServiceHelperService, CarWatchdog, Vehicle HAL, Boot time optimization, Telephony Provider HAL
Mobile Platform(Android)	AOSP Middleware, Android JNI, Android HAL, IPC(shared memory,socket,binder), init process, zygote process, System-Server core services, AOSP customization, Android Power and Performance Optimization **Tool & Debugging**: ANR, Watchdog, Memory Fault/Leak, Systrace, Battery Historian, MAT etc.
Language & SDK	**C++(Proficient)**,CoreJava, Shell scripting, Problem Solving, Data Structure and Algorithm, System Design & Design Patterns, SOLID Principle
Web/App Servers and Revision Control Systems	Apache Tomcat, JBoss, Perforce, GitHub

Executive Summary:

- Currently working with KPIT Technologies as Designer from **August 2024**.
- 7 months(**Jan-2024 to August 2024**) in **Visteon** as Principle Software Engineer in Infotainment team
- **1.8 year(May-2022 to Jan-2024)** of experience at **OPLUS R&D(OPPO & ONEPLUS)** as Senior Chief Engineer
- **5 years(March-2017 to May-2022)** of experience at **Punjab National Bank Head Office-ITD** as **Software Developer.**
- **3 years(June-2012 to March-2015)** of experience in the field of Information Technology as **Engineer** at **Samsung R&D Institute India-Noida.**

Educational Qualification

Examination	Discipline /Specialization	School/College	Board/ Universi ty	Year of Passi ng	Percentage
B.E	Computer Science	H.B.T.U Kanpur	H.B.T.U	2012	76.4
Higher Secondary School (XII)	Science	C.C.D.P.S	C.B.S.E	2007	86.9(PCM)
Secondary School (X)	SSLC	C.C.D.P.S	C.B.S.E	2005	91.4

Projects and Solutions:

- Customisation of TelephonyProvider HAL and debugging and triaging issues related to Communication domain for BMW client.(**KPIT Technologies.**)

- Customization, development and debugging in **Infotainment platform in AAOS(Visteon**)
- AOSP bringup and customization in Android S and T**(OPPO)/** Android ICS/JellyBean/Kitkat**(Samsung)**.
- Ported ODM customizations in AOSP baseline.
- Ported vendor and peripheral customization.
- Build AOSP and resolved build errors.
- AOSP sanity checks, run CTS/VTS.
- Working on PDT projects feature implementation for Power and Thermal optimization.(**OPPO**)
- ORMS(Kernel resources,CPU, GPU,frame rate,charging) configuration.
- Thermal configuration for intelligent Thermal Mitigation(Horae solution), shell temp fitting for thermal.
- Customization of Thermal HAL.
- Self Sanity for Power and Performance and Thermal using customized simulation tools.
- Debugging and Optimizing Power and Performance bugs using Power Tool, Systrace, BatteryHistorian.
- Application ANR, WatchDog, Device restart, Native Crash
- Device Standby Power consumption.
- Power Consumption and Battery Drain in User scenario.
- Device heating issues.
- Device sluggish.
- Enhanced the Night Standby feature by adding auto WiFi and Mobile data state restore before user wakes up. Resolved the probabilistic issue(1/10) of device hanging by sudden data requests (Java, Android SDK).
- Developed mPassbook/mTouch/ PNB HRMS Android application(**Punjab National Bank**)
- Activity lifecycle, Fragments,Adapters
- REST API, Volley library
- App performance optimizations.

- Playstore statistics and feedback management for Apps
- Security cum functional audits
- PNB Mobile Banking server/Internet Banking operational batches automation and server health monitoring using Bash shell scripting.(**Punjab National Bank**)
- Cronjob configuration
- Server health monitoring using customized shell scripts
- Auto reconciliation, DB syncing using customized shell scripts
- Addition of new features for **E-book reading mode(Samsung)**
- Custom brightness support for E-book mode
- Implementation of **dedicated Wake-lock and API Implementation for Projector Application** from framework layer in Projector Application and API addition at framework layer(**Samsung**)
- AIDL and ActivityManager support added for Projector. Custom Wakelock bits implemented for Projector in PowerManager

Achievements and interests:

- Got AIR-6129 in JEE-2008 and AIR-9400 in AIEEE.
- Got 235 rank in U.P.T.U. Entrance Examination for the session 2008-09.
- Got merit in The Green Olympiad organized by Ministry of Environment and forest in Xth class.
- Watching Discovery shows, listening music.

Personal Profile:

1. Name	Ashish Kumar Mishra
2. Date Of Birth	18-Sep-1989
3. Nationality	Indian
4. Present Address	Flat no- 306, Confident Antlia III, Sarjapura, BENGALURU, KARNATAKA 562125
5. Contact No.	+91-9711899481

I hereby declare that the above-mentioned information is correct up to my knowledge.

Place: Bengaluru