

# RANJEET KUMAR

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## Senior Software Architect

Accomplished engineering professional with extensive experience across IT software, telecommunications, embedded systems, mobile devices, and value-added services. Recognized for expertise in application development, cloud solutions, and emerging technologies, with a proven ability to lead end-to-end product development and engineering operations. Adept at analyzing complex codebases, solving critical problems, and implementing innovative, research-driven software solutions. Seeking a senior leadership role to leverage technical breadth, cross-domain experience, and team management skills to drive innovation, and scalability.

### CORE COMPETENCIES

- Technical Leadership
- Systems Architecture
- Cross-Functional Collaboration
- Agile & DevOps Practices
- Cloud & Infrastructure Engg
- Embedded Systems Dev
- Telecommunications Solutions
- Mobile Application Engineering
- Innovation & R&D
- Scalability & Perf Optimization
- Process Automation
- Strategic Project Delivery

### IT SKILLS

- **Programming Languages:** C, C++, Swift, Objective C, Python, Core Java
- **Databases:** Redis, Elasticsearch, MongoDB, MySQL
- **OS:** Mac, Linux, Windows, Android
- **Tools:** Xcode, Docker, Gerrit, Gitlab, Jenkins, Logstash, Kusto, Shell scripting
- **Others:** Azure cloud, Nginx, MQTT, Flask, IOT, Network programming, ZeroMQ

### EDUCATION

- **B Tech in Computer Science and Engineering, Y.M.C.A.**  
Faridabad, Haryana, India, 2006

### CERTIFICATES

- Microsoft Certified: Azure Fundamentals
- Big-Data and Hadoop Developer, Simplilearn

### PERSONAL DETAILS

- **Date of Birth:** 27 Aug 1984
- **Languages:** English and Hindi
- **Nationality:** Indian

### EXECUTIVE SYNOPSIS

- Software & Application Development – Lead end-to-end design, development, and deployment of scalable applications across IT, telecom, embedded, and mobile platforms.
- Cloud & Emerging Technologies – Drive adoption of cloud-based solutions, IoT, AI/ML, and advanced tools to deliver innovative and future-ready products.
- System Architecture & Integration – Define and implement robust architectures for complex, cross-platform systems ensuring performance, security, and reliability.
- Team Leadership & Engineering Management – Mentor and manage cross-functional teams, fostering collaboration, innovation, and delivery excellence.
- Product Development & Lifecycle Management – Oversee complete product lifecycles from concept and prototyping to deployment, support, and continuous improvement.
- Problem Solving & Process Optimization – Analyze complex technical issues, design research-driven solutions, and optimize engineering processes for efficiency and quality.

### PROFESSIONAL EXPERIENCE

Jun 2022 – Present: MICROSOFT PVT LTD, Hyderabad, India | Senior Software Engineer (Team Lead)

#### Highlights:

- Contributed to premium feature development of the M365 Copilot iOS app while enhancing app hygiene, telemetry, and search functionality.
- Successfully delivered the M365 app rebrand and feature releases, earning recognition as Star Performer in Jan 2024.

#### Responsibilities:

- Lead iOS development for Microsoft 365 app, serving millions of enterprise users globally.
- Architected and shipped 7 major features including Share V2, AI Hub, and enhanced notifications.
- Contribute to app redesign by developing sections such as Recommended, Favorites, App Fundamentals, Settings, and navigation components.
- Drive cross-functional collaboration across India and US teams with PM, UX, and engineering stakeholders to deliver high-impact features.
- Reduced Watson crashes by 40% through proactive monitoring and rapid issue resolution.
- Support build and release quality by resolving bugs within SLA, monitoring pipelines as a shield member, and addressing issues such as Watson crashes, automation failures, and user feedback.
- Mentored team members on code quality standards, best practices, and technical architecture while fostering professional growth.
- Technology used: C/C++, Swift, Swift UI, Objective C, Python, Kusto, Watson, OAF, Xcode, CI/CD, ADO, Copilot

**Oct 2019 – Jun 2022: OPPO MOBILE PVT LTD, Hyderabad, India | Technical Team Lead / Sr. Chief Engineer**

**Highlights:**

- Bagged the Star Employee of the Month - Mar 2021 and Q2 Outstanding Team award in Sep 2021.

**Responsibilities:**

- Led the Android System Upgrade team in application and framework development, debugging, problem analysis, and porting for OPPO devices across Chinese and overseas markets.
- Oversaw OTA, recovery, stability, CTS/GTS, codebase builds, and bring-up modules from the Android framework side for the RENO and FINDX series.
- Executed successful Android OS upgrades for OPPO RENO and FINDX series, ensuring smooth performance and compatibility.
- Designed and implemented solutions to enhance device performance and user experience.
- Conducted in-depth troubleshooting, debugging, and bug fixing to resolve critical issues within defined timelines.
- Ensured stability and reliability of Android builds through rigorous testing and timely resolution of software challenges.
- Technology used: Python, C/C++, Shell Script, Deployment and scaling, Low level programming, DevOps, Android 9/10/11/12, Gerrit, Over The Air(OTA) upgrade, Backup & Recovery, Linux Kernel, OS Bring Up.

**Mar 2013 – Oct 2019: ZINGMOBILE PTE LTD, Noida, India | Technical Team Lead / Chief Engineer**

**Responsibilities:**

- Led design and development operations for a leading mobile platform enabler in Asia Pacific, delivering software product solutions across chat services, SIM cards, web, and mobile platforms for telecom operators, enterprises, retailers, and consumers.
- Oversaw deployment, security, and scalability of distributed, high-availability servers in hybrid cloud environments, ensuring robust performance and reliability.
- Executed successful product deployments and provided technical support across diverse regions including Indonesia, Vietnam, Malaysia, Myanmar, China, Singapore, and Africa.
- Conducted R&D in emerging technologies such as IoT, machine learning, big data, data analytics, ZeroMQ, MQTT, and OpenCV to enhance product innovation.
- Designed and developed secure communication platforms including SMS OTA servers, BIP-TCP servers, and chat messenger solutions, along with multiple mobile applications in MRE, J2ME, and Android.
- Contributed to product architecture and development of web apps, mobile apps, IoT solutions, and e-commerce platforms, while implementing analytics modules, ETL pipelines, and data-driven proximity
- Technology Used: Python, C/C++, Swift, Obj-C, Core Java, Nodejs, Nginx, Redis, Elasticsearch, MongoDB, MySQL, ZMQ, Flask, Cryptography, Deployment and scaling, Microservices, Network programming and security, Distributed systems, MQTT, Web sockets.

## PREVIOUS ENGAGEMENTS

**Feb 2012 – Mar 2013: SPICE DIGITAL LTD, Noida, India | Senior Software Engineer**

- Deployed and provided remote technical support for mobile software solutions in value-added services, mobile advertising, and IVR across Asia Pacific regions including Thailand and Jakarta.
- Designed and developed feature phone applications such as an App Store, MRE standard graphic library, WAP-SMS billing modules, and multiple J2ME-based apps including M-Commerce and Rail-Yatra.
- Contributed to product lifecycle through app development, bug fixing, deployment, and technical support for diverse feature phone models and platforms including Sapp Planet App Store.

**Jul 2006 – Aug 2008 & Mar 2010 – Feb 2012: APPLIED ELECTRO MAGNETICS PVT LTD, Noida, India**

**Sr. R&D Engineer | Mar 2010 – Feb 2012**

**Engineer | Jul 2006 – Aug 2008**

- Developed IoT products including G-Locator, Smart Printer, and Automated Production Monitoring System using C, C++, ARM microcontrollers, Rabbit processors, Linux, and Windows, while conducting comprehensive in-house and on-site testing.
- Engineered key features such as device bring-up, secure communication between IoT devices and servers, device provisioning, and GUI library enhancements to improve functionality and reliability.