

# ASHUTOSH DUBEY

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Bengaluru, India

A performance-driven professional with **14 years of technical leadership** in the software industry. Seeking technical leadership positions such as Technical manager/lead within the software product industry. **Immediate Joiner**

## Core Competencies

- Technically leading people
- Team management
- Setting KARs/OKRs
- Estimation, planning and work allocation
- System Design
- System Architecture
- Embedded
- Full-Stack
- Firmware
- Middleware
- Android AOSP
- C/C++/Python
- SQL/NoSQL
- AI/ML
- ARM Assembly
- X86 Assembly
- DSP Assembly
- Porting and Optimization
- Linux
- AWS

## Soft Skills

- Visionary/Decision-making
- Problem-solving
- Team Building & Leadership
- Analytical & Critical Thinker
- Planner & Communicator
- Business Ethics/Trustworthy

## Profile Summary

### Work Summary:

- 14 years of hands-on technical leadership in embedded and full-stack spaces.
- Proficient in handling full software development life cycle (SDLC) end to end i.e. from requirements to commercialization of projects worth millions of Dollars.
- Adept at handling customer teams at all levels (CXO level to the engineer level).
- Excellent in managing (distributed) technical teams to deliver quality software within budget and timeframe.

### Technical Skills:

- Programming Languages: (Embedded)C/C++, Java, Python, SQL, ARM/x86/DSP assembly, HTML/CSS/Javascript
- Databases: MySQL/NoSQL (MongoDB)
- Tools: Git, JIRA/MPP, Google Docs, MS Office
- Others: Android AOSP, JNI, AWS, FastAPI, RestFUL APIs, Microservices, AI/ML (NLP, Recommendation Engine), Software system architecture, Setting-up/improving software engineering processes, Waterfall & Agile/Scrum, vendor management

## Work Experience

### Product Development Manager | Adcuratio Media Inc. | Apr'21 - Nov'23

#### Key Result Areas/Achievements:

- Technically leading the development of Android AOSP-based streaming stick.
- Technically leading a team of 60 engineers and 5 vendors for the development of Folksmedia [mobile](#) and [web apps](#) (full stack) to ease OTT and live content discovery for the US market and playback on the desired device. I led the teams technically through requirements, prioritization, budgeting, timelines, quality assurance, and deployment.
  - Achieved >90% US OTT content coverage.
  - AI-driven personalized content recommendation doubling user engagement.
  - Content Deep-linking target apps/devices for seamless user experience.
  - Built-in software remote control for major smart TVs/Streaming boxes.

#### Chosen Tech Stack:

##### Backend:

- Python for programming the backend because of complex systems involving AI
- FastAPI to make API efficient in response as that time only FastAPI was non-blocking as compared to Django/Flask
- RestFUL APIs for statelessness, format-agnostic, URLs, security/scalability etc.
- AWS (compute, EBS, S3, DynamoDB/RDS, Kafka, etc) as the company already had a good underused AWS Savings plan
- AI based recommendation and search engine to increase user experience.

##### Frontend:

- HTML/CSS, Javascript, React/ReactNative for seamless developer movements between mobile and web-apps.

##### Others:

- Microservices based System architecture for optimal fault tolerance, scalability and maintainability.
- Android AOSP

## Sr. Engineering Manager | Signovate Technologies Pvt. Ltd., Bangalore | Jun'16-Mar'21

### Key Result Areas/Achievements:

- Leading a team of 15 (freelance) engineers and 4 vendor companies.
- Doubled the revenue by securing and technically leading three mobile and web apps
- 50% incremental revenue increase by securing and technically leading two Android AOSP based client projects for customizing the Android Audio framework

### Chosen Tech Stack:

**Backend:** As per customer requirement, developed backend in either Python/FastAPI or Java/Spring with RestFUL APIs running over AWS components (compute, EBS, S3, RDS, etc)

**Frontend:** As per customer requirement, frontend used HTML/CSS, Javascript, React

### Others:

- Microservices based System Architecture
- Android AOSP, Java, JNI, C/C++

## Sr. Technical Marketing & (acting) Customer Manager | NXP Semiconductors Pvt Ltd|

Feb'11 - May'16

### Key Result Areas/Achievements:

- Technically leading a team of 15 engineers
- Secured and technically led customer projects to commercialize our software products, contributing to approximately 20% CAGR revenue growth.
- Innovated products with Samsung India, resulting in 10% incremental revenue.
- Successfully acquired LGE India and Micromax as new customers, resulting in a significant 55% incremental revenue.

**Tech Stack:** Java, C/C++, JNI, ARM Assembly, Porting and Optimization, System design and integration.

## Sr. Tech Lead | NXP Semiconductors Pvt. Ltd.| Apr'10-Feb'11

### Key Result Areas/Achievements:

- 10+ commercializations by technically leading a team of 10 engineers to design, optimize, and test software Audio and Video systems (codecs, players, recorders, and editors) for ARM-based feature phones and Android smartphones.
- 25% productivity improvements by Directing task allocation, review, and approval processes, thereby increasing team collaboration.
- 50% reduction in integration time by devising and technically leading the pre-integration of software products into various Android subsystems esp Android Audio subsystem.
- Provided essential support to customer teams, facilitating smooth integrations and addressing any arising issues resulting in positive feedback from customers and facilitating repeat orders.
- 90% reduction in customer reported bugs by leading global process improvements.

**Tech Stack:** Java, C/C++, Embedded C, JNI, ARM Assembly, Porting and Optimization, System design and integration, engineering process setup

## Technical Specialist | Philips Software Pvt. Ltd. | May'05-Apr'10

### Key Result Areas/Achievements:

- Led a 6 member engineering team in formulating, crafting, refining, and adapting Audio codecs on ARM processors resulting in extremely competitive audio systems.
- Conceptualized and spearheaded the implementation of an innovative mp3 decoding technique, culminating in a 10% incremental revenue boost and the acquisition of Motorola as a new customer.

**Tech Stack:** C/C++, ARM Assembly, Porting and Optimization, System design and integration

## Certifications

- **Nov'19:** Machine Learning, Stanford online on Coursera
- **Dec'19:** Deep learning specialization, Deeplearning.AI on Coursera

## Education

- **Post Graduate Program in Management (PGPX), UCLA (University of California, Los Angeles), 2015 - 2016**
- **Post Graduate Diploma in Advanced Computing,** CDAC Hyderabad, 2001 – 2002
- **Bachelor of Technology in Electronics & Telecommunication** Engineering, 1997 – 2001

## Technical Skills

- **Tech Stack:** C/C++, Assembly (ARM, X86 and DSPs), Python, SQL/NoSQL, HTML/CSS/JS, Microservices, Automation, Android AOSP, AWS
- **Tools:** Jira/MPP, SVN/Git, Google Docs/Microsoft Office
- **Project Management Methodologies:** Waterfall and Agile/Scrum



## Personal Details

- **Date of Birth:** 2<sup>nd</sup> January 1980
- **Languages Known:** English, Hindi
- **Address:** Bangalore, India

**Design Engineer and Project Leader | Sanyo LSI Pvt. Ltd., Bangalore | Sep'03-May'05**

### Key Result Areas/Achievements:

- Engaged in the design, development, optimization, and porting of Audio Codecs on ARM processors.
- Innovated a technique to link ADS compiled code with arm-linux-gcc compiled code, resulting in a remarkable 3x performance gain and saving approximately 9 man-months of time.

**Tech Stack:** C/C++, ARM Assembly, Porting and Optimization

**DSP Engineer | Epigon Media Technologies Pvt. Ltd | May'02-Sep'03**

- Executed the development, porting, and optimization of Audio Codecs across multiple CPUs and DSPs.

**Tech Stack:** C/C++, ARM Assembly, DSP Assembly, Porting and Optimization