



Sachin Kumar

Sr. Software Engineer (Hero Electronix Pvt. Ltd.)

Result-driven professional, targeting
Challenging software development
Assignments in an IT industry of
Repute.

Location Preference: Bangalore,
Hyderabad, Pune, Delhi-NCR .

CONTACT

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HIGHLIGHTS :

- ❖ 8+ Years of experience in C/C++ Software development.
- ❖ 5+ Years of Experience in product development companies.
- ❖ Strong experience in C/C++ ,Data Structure and Design Pattern.
- ❖ Good knowledge of **Socket Programming** and networking protocols (**TCP/IP, UDP**), Streaming Protocol(**RTSP, P2P**), **MQTT** Protocol.
- ❖ Good knowledge of DVB, MPEG-2 standards and IPTV.
- ❖ Working in **Agile Methodology** and having experience of legacy SDLCs as well.
- ❖ Experienced in end-to-end development of software products from requirement analysis to system study, designing, coding, testing, debugging, documentation, implementation and maintenance.

IT SKILLS

Programming Languages :
C, C++11, Python
Web Technologies:
Html, Css, JavaScript
OS : Linux, Windows
Protocols : TCP/IP, UDP
RTSP, MQTT
Databases : Sqlite

CAREER TIMELINE :

Hero Electronix Pvt. Ltd., Delhi	- June 2019 - Present
R Systems International, Noida	- Dec 2016 - May 2019
Exza Infosystems Pvt. Ltd., Pune	- Apr 2015 - Nov 2016
Indieon Technologies, Pune	- Dec 2012 - Mar 2015

KEY COMPETENCIES

- ❖ Design & Development
- ❖ Requirement Gathering
- ❖ Documentation
- ❖ Coding
- ❖ Team Management

EDUCATION :

	University	Specialization	Grades
M.Tech	BITS Pilani	Software Systems	7.87 CGPA
P.G Diploma	CDAC Acts,Pune	System Software	70.25 %
B.Tech	UPTU(Lucknow)	Computer Science	72.64 %

PROFESSIONAL EXPERIENCE :

Hero Electronix Pvt. Ltd. As Sr. Software Engineer

Key Result Areas : QUBO Home Security Camera, IOT Smart Home Solutions, Zigbee Hub

- ❖ Implementation of H/W Abstraction Layer for Camera Stack Using HISilicon ,Sigmastar Mediatek SDK.
- ❖ Ios/Android app C++ SDK development for Security Camera.
- ❖ New Feature Design And Development like Timelapse video manager, Continuous Recording, QR code manager REST API Handler Storage Manager, Timezone etc...
- ❖ Language and tools: C++11, MQTT protocol, RTSP Push/Pull Streaming Using cloud wowza server.
- ❖ WiFi connectivity, Bug fixes, Zigbee Hub Application Stack integration.

R Systems International As Sr. Software Engineer

Key Result Areas : IPTV MiddleWare Feature Development (Proximus, Belgium)

- ❖ Worked in Agile methodology, Meet with client's requirements in Daily Scrum.
- ❖ Development using C, C++, Python (Middleware & UI) of IPTV based Set Top Boxes.
- ❖ Tools used JIRA (Bug tracking), Git (VCS), and Linux, SQLite (DB), C, C++11, Python, JSON, GDB, IPC (D-bus), Design Pattern, Glib.
- ❖ Middleware feature development (nPvr ,cPvr ,VOD ,Parental control etc) with unit testing .
- ❖ Meeting the requirement of the client by design & developing modules through relevant programming

Exza Infosystems Pvt. Ltd. As Software Engineer

Key Result Areas : STB Feature Development and Stack porting on new chipset(ST, Mstar ...)

- ❖ Latens cas(conditional access system) integration for Mstar chipset with STB(set top box) Middleware stack based on the guidelines provided by cas vendor and performed unit test using STIK Player.
- ❖ Development/Porting of DVB-C Middleware stack on different platforms, written code for HAL layer modules(Display, IR, Demux etc ...) and provide a build environment for new chipset.
- ❖ Language and Tools C, C++, Linux,ecos, SQLite3, SVN, Bugzilla.

Indieon Technologies. As Software Engineer

Key Result Areas : Hybrid Set Top Box App development in C++, Javascript.

- ❖ Worked on POC for STB downloadable app(similar to playstore for android) using open source firefox browser's javascript engine spidermonkey ,written native api ,integrated GUI toolkit to draw gui on lcd, Implemented ATOM/RSS feed parser in c.
- ❖ Developed OTT application for Hybrid STB(DVB-C free content + OTT content) , Used ffmpeg to fetch video from actual url and convert the video to TS container format and store in a circular buffer, Developed Apps in Javascript like Youtube, NewsApp .
- ❖ Language and Tools C/C++,jquery,json/xml,curl,rtmpdump,Rest API,fastcgi+lighttpd,Analysis of HDS,HLS,MPEG-Dash.