Syam Devendla
Bengaluru, Karnataka - Email me on Indeed: indeed.com/r/Syam-Devendla/
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Senior software engineer with more than 9 years of experience in C, C++,
Data
Structures programming and BI analytics. Experience includes
implementation and
testing of enterprise and mobile application and middleware component
software.

WORK EXPERIENCE

SMTS

Oracle India - Bengaluru, Karnataka -

January 2014 to Present

with OBIEE team.
• Worked in Samsung R&D Operations, Bangalore since Oct- 2008 to Jan
2014, with
Multimedia team.

EDUCATION

Post Graduate Diploma in Embedded Systems

CDAC - Kochi, Kerala

2006

Bachelor of Technology in Electronics and Communications

Nagarjuna University

2005

SKILLS

.NET (Less than 1 year), ALGORITHMS (Less than 1 year), ALSA (Less than 1
year), ANDROID
(Less than 1 year), APACHE HADOOP HDFS (Less than 1 year)

ADDITIONAL INFORMATION

Core Competencies

• Extensively worked in C, C++
• Good understanding of Data Structures and Algorithms
• Good understanding and knowledge of BI Analytics of OBIEE.
• Codes at HackerRank.com and am a 4 Star Rank coder in algorithms, coded
using C++ STL
• Hands on experience of GDB Debugger for Core dump analysis and Server

side debugging.
• Hands on experience of Visual Studio debugger for debugging on Windows platform.
• Working experience of Multithreaded applications for more than eight years
• Good understanding of OOPS Design principles and STL.
• Experienced in using various debuggers that include GDB debugger, Eclipse, VC++ IDE, Trace
32, WinDbg, Visual Studio.
• Good knowledge of Big data technologies(Hadoop, Yarn Architecture, map-reduce, Hive, Sqoop, Hbase, Zookeeper)
• Good experience in Hadoop development and Admin activities.
• Able to understand and review Java and Scala code
• Good Exposure to Software practices, SDLC.
• Good understanding and porting knowledge of framework components.
• Good understanding of multimedia concepts, Audio video synchronization, AudioOut, AudioIn and video zoom.
• Knowledge of WEBRTC features.
• Good knowledge of video Engine.
• Basic knowledge of MFC, socket programming.
• Good knowledge in programming and operating system concepts.
• Experience in working in a project from product development phase to commercialization phase.
• Successfully commercialized more than 25 million mobiles spanning across
twenty models.
• Good global work exposure having worked in different work environments.
• Basic understanding of Linux Operating system.
• Experienced in design and implementation of Multimedia Applications for Mobile handsets.
• Good experience working on Smart Phone platforms(Framework, Middleware and Application development) having worked on various mobile platforms SHP, Samsung Bada, Linux, WindowsMobile5.0, SLP, Android and Tizen.
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• Good knowledge and understanding of different frameworks for multimedia.
• Good knowledge of multi-threaded programming and IPC mechanisms.
• Excellent interpersonal and communication skills and ability to work in a team.
• Skilled at learning new concepts quickly, working well under pressure, and
communicating ideas clearly and effectively.
• Tools Used: Beyond Compare, Samsung memory leak tool, and Samsung code coverageTool, VS 2005 Remote Tools, KlocWork, WinShark and Ethereal.
• Experienced in working with configuration tools like VSS, Perforce, and Clear
Case.

• Operating Systems: Windows, Ubuntu Linux
• Mobile Platforms: SHP, Bada, Linux, WindowsMobile5.0, SLP and Tizen
• Technology: Multimedia, Content, Mobile Applications
• Languages: C, C++(Data Structures, Design Patterns, STL)
• Tools: Eclipse, VS2005, VS2010
KlocWork, Clear case, Perforce

Projects

- OBIEE
Environment: Oracle BI Languages: C++
- Implementing enhancements, improving the diagnosabilty and address the customer
issues by fixing the code bugs.
- Developed a security feature in downloads module to protect the system from DOS
attack.
- Implemented a performance enhancer logic in Ibots to execute the agents faster.
- Responsible for fix/enhance Ibot(Delivers/Agent/Schedulers) issues in the product.
- Responsible for fixing the core dump issues reported by customers in the nqscheduler
component in linux 32/64 and windows 32/64 platforms.
- Oracle-Thirdeye
Environment: HDFS, Yarn, Hadoop, map-reduce, thirdeye-agent
- GUI is able to provide all information in a usable environment.
- Most of the use will be as an embeddable UI in applications like TLP, DTE, and Bug DB
etc.

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- Provide term, line number and time indexes for word and phrase search, ability to drill
down to a given line number and data around it, and also have ability to see data
around a given time.

- Thirdeye-nodes-refresh
Environment: HDFS, Yarn, Hadoop, map-reduce
- All processes for thirdeye including Hadoop components running on the same node. This
overburdens the master node and leads to frequent failures due to disk space and
memory issues, so worked on POC to replicate entire thirdeye setup with required
configuration on new machines.

- BI-Manifest-Comparison Tool
Environment: Oracle BI Languages: Java
- Implemented tool to create an excel with manifests data across platforms and painted the
mismatched versions
- WebRTC
Environment: Browser Languages: C++
- Media Recorder implementation.
- Multi Party communication development.
- Stage Fright (recorder and playback)
- Video engine
- Peer connection
- PlatformsY2012-Framework (content)
Environment: Tizen Languages: C++
- Developing Tizen framework (content) on SLP.
- File Search
- Directory Search
- Playlist and Playlist Manager
- Supporting Tizen content framework.
- PlatformsY2011 -Framework (Multimedia- player)
Environment: Bada, Eclipse, SLP (Samsung Linux Platform) Languages: C++

- Implemented player framework for Bada OS
- Audio Player and video Player modules.
- POC of AV synchronization for video zoom.
- Supporting Bada2.0 player framework and commercialization.
- Movie Studio (Video Editor)
Environment: Bada, Eclipse Languages: C++
- Developed application based on UI guidelines given, modules like preview, split and trim
forms using VePlayer library.
- Implemented VPL file creation.
- Media Browser
Environment: Bada, Eclipse Languages: C, C++
- This application is developed to check the stability of Bada's player and Audio out
modules.
- Audio Player and video Player modules.
- Implemented progress bar of player in both Player Form and PLS Player Form.
- Bada-NS(R&D)
Environment: Linux, SLP (Samsung Linux Platform) Languages: C, C++
- Worked on launching emulator
- knowledge of SLP Multimedia Framework
- Ported Player (Audio and Video) module
- Ported Audio Out and Audio In modules using ALSA library
- ETMs Firmware Client: Wabtec Railway Electronics, German Town

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Environment: Windows XP, IAR Workbench Hardware: IOC board (Provided by WRE)
Languages: C
- Serial - Ethernet Bridge
- Serial communication commands handling.
- Supt Link
Client: Schindler Elevator & Escalator Corporation
Environment: Windows Mobile 5.0, embedded VC, Visual Studio 2005
Languages: VC++, MFC
- A Business application. It makes easy for the superintendents to check the status of the
elevators and escalators which are newly installed or being maintained and rate them
according to their performance and report the same to the Sap server using mobility
solutions.
- FldLink
Client: Schindler Elevator & Escalator Corporation
Environment: Windows Mobile 5.0, embedded VC, Visual Studio 2005
Languages: VC++, MFC
- FldLink is a Mobile Application which provides the technicians with a single,
comprehensive view of contact information, meeting schedules, Technical information
and repairing support while working in the field.