Total Experience: 6 Year(s) 0 Month(s)

Highest Degree: MS/M.Sc(Science) [Embedded

Notice Period: 2 Months

Systems]

Chetan Sanjay Rathi (1) Featured

Software Engineer with 6.5 years experience in software development, debugging and unit testing using C/C++,Linux, GDB, several IDEs.



Current Designation: Software Engineer R & D

Current Company: BE Semiconductor Industries(Besi)

Current Location: SINGAPORE

Pref. Location: Hyderabad, Pune, Bengaluru / Bangalore

Functional Area: IT Software - Application Programming /

Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Key Skills: c++,Linux,C,Ubuntu,GDB,OOPS,Software Development,TDD,Scrum,GIT,Vim,Visual Studio,Eclipse IDE,Version Control,Multithreading,STL,Threading,Automotive Infotainment,VC++,Semiconductor,File System,Shell

Scripting

Verified: Email - id

Last Active: 19-Jan-21 Last Modified: 19-Jan-21

Summary

- 1. Result driven C++ developer with 6.5 years of experience in software design, development and testing in Linux and Windows environments.
- 2. Strong analytical problem solving and organizational abilities with flexible and detail oriented attitude
- 3. Knowledge of end-to-end development of software products from requirement analysis to system study, designing, coding, testing, debugging, documentation with experience working in a Scrum team.
- 4. Possess Masters degreee in Embedded Systems from Nanyang Technological University, Singapore

Work Experience

BE Semiconductor Industries(Besi) as Software Engineer R & D

Jun 2018 to Till Date

Besi is a company specialized in designing and manufacturing semiconductor equipment (Die-Attach, DieSorting, Packaging). I am currently working on development and bugfixing of the application software running on Datacon 8800 FC Quantum machines(Die Attach Flip chip systems) written in C++. The application software runs on Linux(Ubuntu) OS and uses in house libraries (Motion, Vision and GUI)

Continental Automotive as Software Engineer

Aug 2016 to Jun 2018

HMI framework development:

Worked on development and unit testing of Continentals' in-house HMI framework for automotive displays using C++. Also worked on rapid prototyping of the framework using Lua and Google protobuf. Unit testing was done using GoogleTest and GoogleMock framework.

Wipro Technologies as Project Engineer

Mar 2013 to Jun 2015

Application middleware development:

Worked on development and testing of Application Middleware for A2DP/AVRCP profiles in Bluetooth for Automotive Infotainment system using C++.

Filesystem Testing:

Worked on improvement of code coverage of filesystem kernel modules in Red Hat Linux by developing and enhancing shell scripts and writing C code.

Education

UG: B.Tech/B.E. (Electronics/Telecommunication) from Vishwakarma Institute of Technology, Pune in 2012

PG: MS/M.Sc(Science) (Embedded Systems) from Nanyang Technological University, Singapore in 2016

IT Skills

Skill Name	Version	Last Used	Experience	
С		2020	1 Year(s) 6 Month(s)	
C++	11	2020	5 Year(s) 6 Month(s)	
GDB		2020	3 Year(s) 6 Month(s)	
Multithreading		2020	4 Year(s) 6 Month(s)	
Shell Script		2020	2 Year(s)	
Linux		2020	6 Year(s) 5 Month(s)	
Version Control		2020	5 Year(s) 6 Month(s)	
Software Development		2020	5 Year(s) 9 Month(s)	
OBJECT ORIENTED PROGRAMMING		2020	5 Year(s) 6 Month(s)	

Languages Known

Language	Proficiency	Read	Write	Speak
English	Proficient			
Hindi	Proficient			
Marathi	Proficient			

Projects

Project Title: Die Attach R&D Flip Chip Software

Client: Semiconductor companies Nature of Employment: Full Time Duration: Jun 2018 - Till Date Project Location: Singapore Onsite / Offsite: Offsite Role: Programmer Team Size: 8

Skill Used: C++, Ubuntu Linux, Multithreading, OOPS, Design Patterns, GDB, GIT, Software Development

Project Details: Besi is a company specialized in designing and manufacturing semiconductor equipment (Die-Attach, Die-Sorting, Packaging). I am currently working on development and bugfixing of the application software running on Datacon 8800 FC Quantum machines(Die Attach Flip chip systems) written in C++. The application software runs on Linux(Ubuntu)

OS and uses in house libraries (Motion, Vision and GUI).

Project Title: HMI Automotive Software

Client: Volkswagen

Nature of Employment: Full Time Duration: Aug 2016 - Jul 2018 Project Location: Singapore Onsite / Offsite: Offsite

Role: Programmer Team Size: 8

Skill Used: C++, Data Structures, Algorithms, OOP, Linux, GIT, Software Development, Software Testing, Github, JIRA, Agile Project Details: Worked on development and unit testing of Continentals in-house HMI framework for automotive displays using C++. Also worked on rapid prototyping of the framework using Lua and Google protobuf. Unit testing was done using GoogleTest and GoogleMock framework

Project Title: LLF scheduler for Micrium OS-III Client: Nanyang Technological University

Duration: Feb 2016 - Mar 2016 Nature of Employment: Full Time

Onsite / Offsite: Offsite

Project Details: Added Least Laxity First scheduling algorithm to Micrium OS-III while implementing an efficient data structure with the given algorithmic complexity requirements

Project Title: Efficient data structure Client: Nanyang Technological University

Nature of Employment: Full Time Duration: Jan 2016 - Feb 2016

Onsite / Offsite: Offsite

Project Details: Added a new API to Micrium/OS-III(RTOS) for supporting periodic tasks by implementing an efficient data

structure so as to minimize the overhead introduced with the existing data structure

Project Title: Bluetooth AVP Automotive

Client: Toyota

Nature of Employment: Full Time Duration: Sep 2014 - Jun 2015

Project Location: Bangalore Onsite / Offsite: Offsite

Team Size: 7 Role: Programmer

Skill Used: C++, Linux Development, C, Github

Project Details: Worked on development and testing of Application Middleware for A2DP/AVRCP profiles in Bluetooth for

Automotive Infotainment system using C++

Project Title: Filesystem code coverage

Client: HP

Nature of Employment: Full Time Duration: Jul 2013 - Sep 2014

Onsite / Offsite: Offsite

Project Details: Worked on improvement of code coverage of filesystem kernel modules in Red Hat Linux by developing and

enhancing shell scripts and writing C code

Affirmative Action

Work Authorization

Category: General Countries: Singapore Physically Challenged: No Job Type: Permanent

Employment Status: Full time