# KAUSHIK RATHI

#201, 2nd Floor, Kautilya Residency, MES Colony, Konena Agrahara,

Bangalore: 560017, Karnataka, India

Mobile: +91 9916710495. E-Mail: [kaushik.rathi15@gmail.com](mailto:kaushik.rathi15@gmail.com)

Career Objective:

I would like to pursue my career in a challenging and rewarding position that will allow me to utilize my existing skills. I hope to eventually get cross functional exposure and grow through constant learning.

Technical Skills

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| --- | --- |
| **Language** | C, C++ |
| **Scripting** | Shell, javascript |
| **Operating System** | Windows, SUSE Linux, IBM AIX, HP-UX |
| **Scanners and Parsers** | Flex scanner generator, Lemon Parser generator |
| **Debugging Tools** | GNU GDB |
| **Tools & Utility** | FileZila, Edit Plus, Source Insight, Ultraedit, VC++ |
| **Version Control System** | Apache Subversion(SVN) |
| **Markup language** | HTML5, XML |
| **Code Complexity Tool** | Source Monitor |
| **Coverage Tool** | CTC++ |
| **Purifier Tool** | Rational purify |
| **Static Analysis Tool** | PCLint, Klocwork |
| **Terminal Emulator** | Putty, Xmanager |
| **UML Tool** | Rational Rose |
| **Basic Concept** | Data Structure, Operating System, DBMS |

Work Experience:

## Samsung R&D Institute, Bangalore India – (August 2013 – Present)

Working with Samsung as Lead Engineer(Developer) for **Tizen Product Development Team**. I was a part of implementing Microsoft Activesync protocol for e-mail service in Tizen Platform. Presently working for the web application development for Tizen platform.

**Job Responsibilities:**

* Design and implementation of webapps.
* Study the Use cases and understanding the functionality of project.
* Coding, static analysis and unit testing of requirements.
* Base code defect fixes.
* Site support of a Product module.

**Projects Undertaken:**

## WebApp

* Single handedly designed and implemented webApps: Lantern, Do not touch my phone, Tag your Image, Constitution of India, Inspirational Quotes.
* Lead the Guitar Metronome project with a fellow team mate.
* Ongoing App: Guitar Tuner
* The Application is developed by using HTML5, JS and CSS3 and it uses Tizen APIs to interact with the hardware.
* Optimized the app to run smoothly on the device with memory as low as 256MB.
* Microsoft ActiveSync protocol
* Implemented small requirement related to meetings and attachment download.
* Optimized Attachment download.
* Designed and automated the Unit test cases for the activeSync engine.
* Fixed base code issue for activeSync engine.

**Company Recognitions:**

1. Guitar Metronome and Constitution of India were both recognized as “Tizen Success story” in Samsung.

## Huawei Technologies – (June 2011 – July 2013)

Worked with Huawei Technologies India Pvt. Ltd. as Software Engineer (Developer). I was a part of fresh 20 kloc to develop a memory DB to provide optimized solutions for Next Gen Intelligent Telecom Services.

**Job Responsibilities:**

* Study the Use cases and understanding the functionality of project.
* Coding, static analysis and unit testing of requirements.
* Requirement change analysis and implementation.
* Base code defect fixes.
* Developing new functionality.
* Site support of a Product module.

**Achievements & Recognitions:**

* Achieve appreciation for writing useful script and many times **Zero Defect Leak** deliverable.
* Successfully passed ECQ (Enhanced Coding Quality) in C++ conducted by Huawei Technologies.
* Got second prize in Huawei Antakshari competition.

# Projects Undertaken:

* + SDK
    - Joined the team after 1years and 9months of rich experience on core platform.
    - Learned the basics of SIP protocol and started working for the SDK development.
  + Memory DB
    - Developed Scanners and parsers for the DB single hadedly.
    - Wrote algorithms to support various functionalities of DB.
    - Learned Lemon parser and flex scanner and single handedly implemented scanning and parsing of statements used for DB operations.
  + Tools
    - Developed 3 useful tools, single handedly, which was a part of customer deliverable.
  + Others
    - Undertaken small requirements for various existing modules.
    - Technically supported older versions for 3months.
    - Took self initiative to automate unit testing test cases for several existing modules.
    - Analysed and fixed various base code defects of existing projects.

Academic Pursuits:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course** | **School/college** | **Board** | **Year of passing** | **Grade/**  **Percentage** |
| B.Tech  (Computer  Science) | Calcutta Institute of Engineering and Management | West Bengal University of Technology | 2011 | 8.51(out of 10) |
| Higher Secondary | Sir Padampath Singhania School, Kota | CBSE | 2007 | 71.2% |
| Secondary | Purwanchal Vidya Mandir | ICSE | 2005 | 70% |

Interests:

* Listening to music.
* Singing.
* Reading.
* Swimming.
* Playing Guitar.
* Meeting new people.

Personal Information:

Date of Birth: 15th March 1989

Nationality:Indian

Passport No.: J6108424