Rahul Chaudhary

Location: Bengaluru

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**EDUCATION**

**B. Tech in Computer Science and Engineering** *(Ranked among top 10 in a class 80)*

Indian Institute of Technology, Varanasi (May 2014) CGPA – 8.11/10.00

**PROFESSIONAL EXPERIENCE**

**Cadence Design Systems, Bengaluru**

*A leading EDA and Intelligent System Design provider delivering hardware, software, and IP for electronic design.*

**Lead Software Engineer** Feb2021 – Till date

* Design and development of functioning of the chipsets residing on multi-core servers.
* Multi-thread programming to schedule jobs on several cores for optimizing the performance.
* Part of the 7-member team working to reduce the system boot-up time and give clients a better performing server as compared to the competitors.
* The code is developed using C++ and shell scripting is used to build and deploy the binaries on the emulators.
* Perforce is used as the Version Control System.
* Coding is done on LINUX platform with tmux.

**Boeing India Private Limited, Bengaluru**

*An American aircraft manufacturing company comprising of 150000+ employees with turnover of $101B*

***Programmer Analyst II***Oct 2017 – Jan 2021

* Authoring and publishing of Aircraft manuals of several document types (ATA, PDF, XML, S1000D, etc.) for Commercial, Defense and Space models used by ground engineers of multiple customers.
* The PDF manuals (in accordance to Adobe PDF Version 1.7 standards) are generated to be used by design engineers, manufacturing engineers and maintenance engineers for various Boeing Aircraft models (737, 747, 777, 787, etc.).
* The applications are developed using C/C++, XML and shell scripting.
* GIT is the version control system for the source code and Jenkins/Rundeck is used to build and deploy the applications.
* These applications deliver required data in digital format to each of the Boeing’s client. For this SQL queries specific to the clients are executed on the huge load of data stored in Boeing’s servers.
* All ceremonies of the Agile methodology are followed in the project.

**Samsung R&D, Bengaluru**

*A leader in electronics manufacturing companies, comprising of 300,000 employees with turnover of $57B*

***Software Engineer***Jun 2014 – Dec 2015

* Designed and developed solutions to business requirements to provide a seamless experience to users
* Part of 20-member team enhancing Audio/Video call experience over the network; implemented Enhanced Voice service (EVS) audio codec to provide HD audio quality in Galaxy S7 and onward devices. Entire project was written using C++ technology.
* Awarded the Spot Award (2 employees among 35) for reducing the 3 seconds latency on video calls by developing Video Rate Adaptation application for AT&T operator.
* Travelled to Seoul and worked in direct supervision of Vice President and Principal Engineers for commercialization of Video Telephony (VT) in Samsung Galaxy S7 used with various mobile operators across the world

**INTERNSHIPS**

***Intern,* Infosys Limited, Bengaluru** May 2013 - Jul 2013

Continuous Integration and Continuous Delivery (CICD) Reference Platform

* Improved irregular delivery time by 30% through the implementation of CICD pipeline for regular and on-time disbursement of the products

**TECHNICAL SKILLS**: LINUX, C, C++, Java, Shell Scripting, Microsoft Visual Studio, Eclipse, Perforce, GIT, Source Insight, Team Foundation Server, Jenkins, SonarQube, Coverity, GitLab, Intellij, Rundeck

**CERTIFICATIONS**: Certified Core Java developer, CMC Technologies Ltd., Jun 2011