

Rajkumar Ananthu

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[GitHub](#)

[Stack Overflow](#)

Applied For: _____

Motivated Software Engineer interested to work on compiler and compiler toolchains. Quick learner, good team player. Skill set includes C/C++, Python, Jenkins, Data Structures, Algorithms, Compilers.

Experience

Software Development Engineer

MathWorks India Pvt. Ltd.,

June 2022 - Present

Hyderabad, Telangana

- Developer for HDL Coder Toolbox(MATLAB) - Porting Simulink blocks to synthesizable HDL Code(Verilog/VHDL/SystemC).
- Technologies: C++

Silicon Design Engineer 2

Silicon Design Engineer 1

AMD India Pvt. Ltd.,

May 2019 – June 2022

Hyderabad, Telangana

- Part of core and cache verification team for Zen based cores. Including Rembrandt etc.,
- Single point of contact for all the infra related tasks like regression management, tool maintenance. Hands on experience on tools like Jenkins and CRON.
- Technologies: C++, Perl, Shell

Associate Software Engineer

MathWorks India Pvt. Ltd.,

August 2017 – September 2018

Hyderabad, Telangana

- Development of compiler which transforms a given HDL code to Simulink block diagram. Part of HDL Coder Toolbox(MATLAB).
- Technologies: C++

Open Source Contributions

December 2021 – Present

- **x64dbg** – A windows debugger and a reverse engineering tool for x86 and x86_64 machines.
- **yaml-cpp** – A C++ library to work with YAML files.
- **Shadow** – A custom smart assistant developed in C++. Helps in assisting daily tasks.

Courses & Certifications

CPA, CPP

Certified C++ Associate Programmer

Certified C++ Professional Programmer

Advanced Compiler Design

Experience with Flex/Bison/Lex/YACC

C++ Institute

March 2019

Upcoming

Upcoming

Upcoming

Papers

- Nothing as of now!

Education

Master Of Technology, Microelectronics

BITS Pilani WILP(Work Integrated Program)

Bachelor Of Technology, C.S.E

UCEK, JNTU-Kakinada

2021 – 2023

CGPA: 7

2013 – 2017

%: 78.75