

Jackson R

Willing to Relocate: yes
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About Me:

A Technology Enthusiast of Open-Source Software and passion to explore and work in Silicon, R&D System Software and Hardware development, skilled in C, C++, Java

English: CEFR B2(499/600) | Typing Speed: 53WPM(by typing.com)

Software/ Hardware Skills:

Programming : C/C++[Linkedin Badge], Java, Cmake Build System

OS: Posix RTOS, System Services, Android HAL and Linux Device Drivers, Assembly

Tools : Shell Utilities, Bash, Vim, Docker, Python3, Git, Jira, Gerrit, Repo

Experience:

Embedded Software Engineer / Engineer - Full time.

Mar 2023 to Present

L&T Technology Services Limited

Chennai, India

Developed Android TV Devices Platform Software on Broadcom ARM V8a Boards,

Worked on Firmware, HAL to Core services and apps. AOSP Integration, SE Linux, TR369

Remote Management, Build, Release.

Software Developer/Software Engineer - Full time.

June 2021 to Mar 2023

Capgemini

Chennai, India

Development of C++ Platform Apps, Java MicroServices for Secure Transactions on Time

Constrained deliverables with Strict deadlines and Building, Deploying, Staging in

Production. Member of CGMTC, Club 98, Toastmasters International.

Associate Research Analyst- Full time

Jan 2021 to Mar 2021

Capestart

Nagercoil, India

Provided risk analysis for decision Making to Clients and Reduced the time for Project by 1 Hour with Effective multitasking.

Embedded Software Engineer - Freelance.

Mar 2020 to Dec 2020

OS Community

Remote

Mentored College Students and developed Embedded IoT Projects using ESP32 BLE and

AWS, Worked on RTOS Products with Open-Source Community on Discord, Slack.

Engineer Intern

Nov 2018 to Dec 2018

Gulf Acrylic LLC

Sohar, Oman

Worked on Quality Check and Maintenance activities on Electrical drives, Pneumatic systems of Sheet Extrusion Machinery designed by OMIPA, Italy.

Open-Source Contributions:

[Github.com/spi3ex](https://github.com/spi3ex)

Apache-Nuttx RTOS - Simulator X11 Window support for macOS

LVGL Graphics - CPP Bindings [WIP]

Retro NES Emulators - SDL2 Window Management

Courses and Certifications:

- **Agile Software Development** - University of Minnesota
- **Open Source Software Development, Linux and Git Specialization**

Professional Qualification:

Master of Engineering in Electrical and Electronics Engineering

(Graduation: September 2020) Grade: 8.2

Ponjesly College of Engineering Nagercoil. Anna University Chennai.

Bachelor of Engineering in Electrical and Electronics Engineering

(Graduation: April 2018) Grade: 7.12

Ponjesly College of Engineering Nagercoil. Anna University Chennai.