Priytosh K. Tripathi

Software Engineer II

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A self-motivated, curious, and smart-working person willing to be the top and proactive contributor in a growing team and an Organisation. Areas of Expertise: Problem-Solving, Data Structures and Algorithms, Core Computer Science Concepts, and Asking lots of relevant Questions.

TECHNICAL EXPERIENCE

Software Engineer - II   **January 2022 — Present**
Safe Sign Technologies - Cambridge University Incubated, London

- Designed, developed, and maintained a public-facing energy service provider solution from scratch.
- Worked as the founding Tech team member to design and develop the core System and implemented Backend API Services and various frontend Scripts for the first Energy App (core product of the company). Core Technology used - AWS, NestJS (Express), Document DB, NextJS (React), etc.
- Active contribution in third party API usage optimizations, various Production level bug fixes, and enhancements.

Software Engineer II   **May 2022 — January 2023**
Google   *Bangalore, Karnataka*

- Designed and developed the API used for optimizing the System resource Allocations on a performance and data cluster.
- Successfully deployed the SLL and other comparative Tests for the latest variants of releases, also deploying front end for interactive results and general feedback about the failures.
- Worked on optimizing the Port call status which effectively reduced the race condition from 78% to almost less than 1%, reducing the data corruption to a great level.

Software Engineer / Performance Optimizations   **May 2021 — May 2022**
Qualcomm Inc.   *Hyderabad, Telangana*

- Part of the team that improved the boot time on the Qualcomm 8x series processor, which is the leading processor in the market. I led and optimized the memory check segment.
- Worked on Heavy Game Launchers (HGL) and Medium Game Launchers(MGL) for Optimizations and was able to achieve 7% faster response in the performance. Implemented a Dashboard for the same.
- Successfully deployed the SLL and other comparative Tests for the latest variants of releases, the test remains under use as a benchmark test.

INTERNSHIP

Software Engineer - Intern   **July 2020 — May 2021**
Intel Corporations   *Bangalore,Karnataka*

- Worked with the Team migrating and extending support for new HDMI 2.1 standards over HDMI 2.0 to enhance performance in the old Display segment.
- Worked on optimizing the Codebase by cleanups during migration and providing Doxygen Documentation Standardization.

EDUCATION

Master of Technology in Computer Science, *Maulana Azad National Institute of Technology, Bhopal*   July 2021
Bachelor of Technology in Computer Science and Engineering, *APJ Abdul Kalam Technical University, Lucknow*   July 2018
Elementary Schooling and 10+2 in Science and Computers, *Little Flower School, Gorakhpur*   1999-2013

OPEN SOURCE CONTRIBUTIONS

BiRT - Eclipse Foundation   January 2023 - Present
Active contributor in Java Code base with multiple successful code changes in the BiRT tool - an open source data visualisation and generation tool.

SKILLS

Scripting	Java, TypeScript, PHP, JavaScript, C++, Python(Moderate), Shell, HTML,CSS, XML and YAML
Databases	MySQL, PostgreSQL, MongoDB and Document DB
Framework and Libraries	Springboot, ReactJS, NextJS, Express, NestJS, Matrial UI and Fluent2 UI
Platforms	x86, ARM, PPC, Embedded ARM(Arduino and Raspberry)
Tools and Add-ons	Jenkins(CI), Maven(Build), Web Assembly, Cmake, JIRA, Git , Bitbucket and Github (SCM)
Publication	Low cost Home Automation using Raspberry Pi Zero W - https://doi.org/10.1504/IJAIP.2020.107023