

Saravanan Rajendran

SOFTWARE ENGINEER

☎ 8148871477 | ✉ its.saravanan.rajendran@gmail.com | 🌐 ItsSaravananRajendran | in itssaravananrajendran

Professional Experience

Motorq

Chennai, TN

SOFTWARE ENGINEER

December 2021 - Present

- Re-architected the existing customer-facing distributed system to handle 10x the current load with reduced cost and improved fair scheduling.
- Improved dev experience and reduced the time for testing and running code locally by automating support setup
- Designed and supervised the development of a reliable load-testing framework for internal performance testing. Which reduced the performance testing time to mere hours from days.
- Designed and supervised the development of a reliable load-testing framework for internal performance testing. Which reduced the performance testing time to mere hours from days.
- Developed and enhanced internal operations tooling that dramatically shortened the time it took to process client requests by automating often-performed manual processes and improving the system's auditability.
- Lead a team of 5 UI engineers to deliver a major re-architecture of customer-facing UI interfaces.

Myntra

Banagalore, KA

SENIOR SOFTWARE ENGINEER

April 2021 - December 2021

- Optimised and reduced the number of servers consumed by the checkout service by 90%.
- Designed and implemented a client-side stats library to track the backend api, which also creates alerts when a micro service goes down. This has drastically shortened the time (from one working day to instantly when a api fails) it takes to find and fix a bug in the checkout-related micro services.
- Optimised multiple features in the checkout flow to increase the customer traction and conversion.

Myntra

Banagalore, KA

SOFTWARE ENGINEER

July 2019 - March 2021

- Implemented modern payment processing flow, which boosts the user experience and reduce complexity, allowing the third-party gateway to be easily integrated with Myntra.
- Designed and implemented multiple coupons construct in checkout, which helps in increasing new user acquisition.
- Designed and implemented a library for tracking and visualising code changes and their impact. This will assist the QA in comprehending the effect and concentrate on the code that was susceptible.

Samsung Research Institute Bangalore

Banagalore, KA

SOFTWARE ENGINEER INTERN

May 2019 - Jul 2019

- Implemented a block chain-based app to enhance the protection and privacy of home IoT devices.
- Designed and created the platform using docker which can emulate multiple hosts and a range of IoT devices.
- I passed Advanced test, one of the difficult and competitive programming challenge at Samsung.

MySwots

Remote work

SOFTWARE ENGINEER INTERN

Apr 2017 - May 2017

- Implemented a notes taking app for students to help them remember the content they learn.
- Implemented a system which converts the base64 images in web pages to images, uploads to cloud and replaces their URL in image tag.

National Informatics Centre (NIC)

Chennai, TN

SOFTWARE ENGINEER INTERN

May 2018

- Implemented an new load balancing algorithm to handle heavy load and improve fairness.
- Increased throughput by 20% by the new algorithm implementation.

CEGGLUG

Chennai, TN

PROGRAMMING MENTOR

Sept 2017 - Mar 2018

- To develop my junior students' coding skills, I taught them programming concepts.
- I took courses to other students in the department in order to pique their interest in programming and lift their knowledge of advanced computing concepts.

Skills

Languages JavaScript, Go, Python

Frameworks React, Express, OpenCV

Projects

P-Convolutional In Image inpainting

- Implemented partial convolution in image inpainting.
- Trained a model that could in-paint an image with irregular and randomly positioned holes.
- Implemented all the optimizations and verified the results independently.

Deep Coder

- A python implementation of the original Deep coder paper published by Microsoft.
- Implemented all the DSL and a way to generate all possible combination out of it.
- Trained a neural network on the labeled set generated randomly.
- I was able to independently verify the results.

Palm and Finger Replication

- Runner up in CEG's Robotics club competition.
- Implemented computer vision based palm and finger detector.
- From video of the hand, it could replicate the movement in an robotic arm.
- This is based not based on deep learning and it works in real time.

Unusal

- Implemented system hardware usage stats with lua, using conky API in linux.
- This would ease the job of handling the system resource handling, especially if you have a mid range PC.

Honors & Awards

HackOn Hackathon

- Won the best use of elastic search award in Hackon Hackathon which had 2500+ participants from all over India.

Myntra HackerRamp

- Finalist in an Internal Hackathon conducted for Myntra employees.

Accenture Blockchain Hackathon

- Finalists in Accenture Blockchain Hackathon, where 2500 participants had participated.

ChargeBee - Women Tech Fab

- Second Runner up in WTF hackathon, where 200 people had participated.

Tip Expo

- Won the TIP expo(Intra-college technical exhibit) which had 150 students participation.

Education

College of Engineering Guindy

BACHELOR OF TECHNOLOGY IN INFORMATION SCIENCE AND TECHNOLOGY (B.TECH.), GPA: 9.08/10

- **Graduated in First class with Distinction**

Chennai, TN

May 2019