

GAGAN KUMAR S

Bangalore, India
(+91) 80731 30198

SOFTWARE ENGINEER – FULL STACK DEVELOPER

sgagankumar@gmail.com
[linkedin/sgagankumar](https://www.linkedin.com/in/sgagankumar)

EMPLOYMENT

Specialist Programmer

INFOSYS Ltd.

Sept 2020 – Sept 2023

- Developed a dynamic application framework, capable of configuring data processing and visualisation widgets. Designed dynamic components that reduced backlogs by 70%, increasing user configurability.
- **Reliability** - Spearheaded development of a critical data pipeline that processes 2.5M+ records daily, with availability rate of 99.9%.
- **Improved** the data processing system to be more efficient and robust, using Kafka queueing and streaming of data over GRPC, making the system resilient to peak demand periods
- **Optimized** data caching strategy with Redis in backend, contributing to 30% relief on resource utilization.
- **Global Success** – Application now caters to 10+ global clients and manages tens-of-thousands of users monthly, successfully achieving a 95% customer satisfaction rate.
- **TOP 1%** - Part of the most aspired track within the organisation, [Power Programmers @ Infosys](#)
- Supervised group of 5 juniors and assisted them to build up to the project requirements, contributing to the growth within the organization.

Software Engineer, Intern

V2Soft Ltd.

Jul 2019 – Sep 2019

- Developed an E2E automated testing tool suite using Selenium, Python, reducing testing time by 50%.
- Led a 6-member team in the successful execution of the project, surpassing management's expectations.

Junior Programmer Intern

Tequed Labs

Jun 2018 – Aug 2018

- Collaborated with their R&D Team to release a significant feature within 3 months.
- Received a certificate of excellence and award for best performance during the internship period.

SKILLS

- | | | | |
|---------------|-------------------|-----------------------|-----------------------|
| ✓ Python | ✓ Kafka | ✓ PostgreSQL Database | ✓ Integration Testing |
| ✓ Java | ✓ gRPC | ✓ Systems Design | ✓ Contract Testing |
| ✓ Spring boot | ✓ REST APIs | ✓ Problem Solving | ✓ End to End Testing |
| ✓ Algorithms | ✓ Data Structures | | |

PROJECTS

- **Ghost Car** (2020). Fully functional model of a Level 4 Autonomous Car. OpenCV, ML, Raspberry Pi. [Details](#)
- **ITMS** (2019). Traffic management solution with dynamic traffic density sensing, emergency vehicle clearance and auto toll collection.
- **AgriCloud** (2018). IoT based solution to track agricultural soil and water metrics. Presented and won at several hackathons. Arduino, Data Analysis, Java [Details](#)

EDUCATION

Masters of Science in CS

Scaler Neovarsity

2024 - Present

- Currently pursuing a remote advanced program in Computer Science accredited by EHEA.
- Achieving a qualification with [EQF Level 7](#) accreditation and earning a total of 90 ECTS credits.

Bachelor of Engineering in CS

SJB Institute of Technology

2016 - 2020

- Graduated successfully with First Class with Distinction scores under VTU

ACHIEVEMENTS

- Secured third-place position in a 24-hour state level hackathon.
- Presented at Regional Level Mentoring Session for Building PoCs, organized by MHRD Innovation Cell.
- Solved 500+ competitive coding problems on platform [Leetcode](#) and [Scaler](#).
- Authored multiple research papers, including a publication on autonomous vehicles featured in the International Journal of Engineering and Applied Science and Technology ([IJEAST Vol.5 Issue 3](#))