

Amaan Suhail

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SUMMARY

- **Experienced C++ Developer with 2+ years of expertise in C++, OOPs, SOLID principles, Design Patterns, Multithreading, and QT. Proficient in API development, AWS S3 cloud integration, and familiar with Java and Golang.** Demonstrated success in enhancing user experiences, and optimizing complex processes. Seeking a Software Development Engineer role to leverage my technical skills and contribute to impactful projects.

TECHNICAL SKILLS

Programming Languages: C++ , Java , Golang

C++ Expertise: Multithreading , QT , STL , Memory Management

Object Oriented Programming: OOP , Design Patterns , SOLID Principles

Tools: VSCode , Eclipse , Postman , Swagger , Perforce , Jenkins

Computer Science Concept: Algorithms and Data Structures , System Design , OOPs

Other: API , CMake , Bash Scripting , AWS S3

WORK EXPERIENCE

Software Development Engineer I

Esko Graphics, Bengaluru, India

07-2022 - Present

- Working on a Windows desktop app in **C++ and Java** for Digital Presses.
- Built a refined **C++ API for smooth data transmission to the cloud, prioritizing elegance**, functionality, and seamless integration.
- Designed and **developed connection reestablishment over a network in case of fatal error** and connection broken .
- Worked on bi-directional press communication, reducing customer chart measurement time by 90
- **Crafted an intuitive C++ GUI using Qt, seamlessly integrating cloud data into desktop applications**, enabling intuitive modification and deletion functionalities, enhancing user experience and productivity.
- Transformed ZIP files into buffers and efficiently uploaded them to AWS S3 buckets utilizing the S3 API.
- **Conducted training sessions for new joiners on advanced C++ topics**, including SOLID principles, Design Patterns, Object-Oriented Programming (OOP), and Multithreading.

Program Analyst Trainee

Cognizant, Remote , India

02-2022 - 05-2022

- Successfully **integrated OOP concepts and design patterns** into real-world projects , resulting in streamlined development processes and improved project outcomes.
- **Applied Solid Principles and design patterns** effectively during a three-month tenure at Cognizant, enhancing code quality and maintainability.

EDUCATION

Ajay Kumar Garg Engineering College

B Tech and Electrical and Electronics , with 75 Percent

Ghaziabad, India

06 2018 - 07 2022

PROJECTS

- ***LoadBalancer*** [GitHub](#)
- **Load balancer in Golang that listens on port xyz. The idea is simple but powerful:** distribute incoming HTTP requests to multiple backend servers in a round-robin manner to ensure no single server gets overwhelmed
- **Load Balancer:** Initialization: The load balancer is initialized with a list of backend servers (in this case, Facebook, YouTube, and DuckDuckGo).
- **Reverse Proxy:** The reverse proxy component forwards the HTTP requests to the selected backend server, making sure they reach their intended destination. .

ACHIEVEMENTS

- Solved 250+ coding challenges on LeetCode and 160+ standard DSA questions on GeeksforGeeks.
- Delivered DSA lectures to two consecutive batches of juniors for 3-3 months each .
- Secured a rank of 870 out of 300,000 participants in the 2021 TechGig Open Coding Challenge