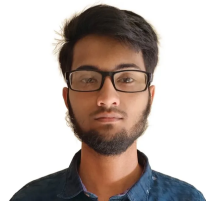


Ehteshamoddin Shafioddin Siddiqui

Software Engineer

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📍 Pune, India



Profile

Goal-driven IT professional with a solid foundation in computer science, continuously seeking new challenges and applying innovative problem-solving skills in the rapidly evolving tech industry.

Skills

Programming Languages

C and C++, Java

Cloud Platforms

Amazon Web Services, Google Cloud Platform

Databases

MySQL, MongoDB

Web Development

HTML, CSS (including Bootstrap CSS and Tailwind CSS), JavaScript (Node.js, Express.js, React.js)

DevOps and Infrastructure

Jenkins, Docker, Kubernetes, Ansible, Terraform

Tech

Git, GitHub, Data Structures and Algorithms, Windows 10, Linux

Projects

Multi-Client Chatroom App, Demonstrated proficiency in C++, socket programming, and multi-threading

- Developed a C++ chatroom using socket programming and multi-threading for real-time communication.
- Implemented a server-client architecture for secure and efficient chat channels.
- Enhanced user experience with customizable client names and graceful disconnections.
- Showcased expertise in network programming and thread management for reliable interactions.

Load Balancer with Round-Robin Algorithm,

Implemented round-robin and least-connections scheduling algorithms for efficient resource allocation.

- Technology: Java, Multi-Threading, MySQL, JDBC
- Multi-Threading: Concurrent processing for improved performance and responsiveness.
- Load Balancing: Evenly distributing requests among multiple workers for optimal resource utilization.
- Fault Tolerance: Seamless handling of worker additions and removals for system resilience.
- Performance Optimization: Efficiently managing resources through connection count updates in MySQL database.

MeetEase: Meetings Solution, MeetEase: WebRTC Audio Conferencing Application

- Developed MeetEase, a secure and professional WebRTC audio conferencing web app
- Leveraged the MERN stack (MongoDB, Express.js, React.js, Node.js) for efficient development
- Integrated Twilio for enhanced security and OTP authentication via SMS
- Enabled real-time audio streaming and conferencing using WebRTC for high-quality, low-latency communication
- Created a user-friendly, secure, and seamless web-based audio conferencing solution, featuring public room creation functionality for easy access and participation in topic-focused discussions.

CI/CD Docker Pipeline for Node.js App on AWS ECS using Jenkins,

Enhanced and Automated CI/CD Docker Pipeline for Seamless Deployment on AWS ECS

- Tech Stack: GitHub, Jenkins, Docker, ECR, ECS
- Implemented a CI/CD pipeline to test, build, push, and deploy a Dockerized Node.js app on AWS ECS.
- Leveraged Jenkins declarative pipeline and GitHub for version control.
- Utilized Docker and AWS services (ECR, ECS) for building, storing, and deploying containerized applications.
- Ensured automated testing and integration of code changes, resulting in faster and more reliable deployments.

Education

Vishwakarma Institute of Information Technology, B-Tech Information Technology

2021-02 – 2024-07 | Pune, India

- CGPA: 8.91

Relevant Coursework: Operating Systems, Database Management Systems, Object- Oriented Programming, Software Engineering, Computer Networks

Rajarshi Shahu College, Higher Secondary Education

2018-07 – 2020-07 | Latur, India

- Score: 81%

Certificates

Mastering Data Structures & Algorithms using C and C++ | Cloud and Devops training (EPAM University Program)

Linux Operating System: A complete Linux guide for Beginners | Learning Java | React.js Essential Training

Languages

English | Hindi