

# Ayush Kumar Shaw

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## SKILLS

### LANGUAGES

JavaScript • TypeScript • Java  
• Python • HTML • CSS  
• C • C++ • Shell • SQL

### FRAMEWORKS

Spring Boot • Django REST

### TOOLS

Git • GitHub • GitLab • Node.js  
• GraphQL • RabbitMQ • Mockito  
• Apache Tomcat • LaTeX • jQuery  
• JDBC • Gradle • Selenium • JUnit  
• Wireshark • Postman • VSCode  
• Sublime Text • IntelliJ IDEA • Eclipse

### DBMS

MongoDB • MySQL • Oracle

### PLATFORMS

Linux • GCP

### SOFT SKILLS

Leadership • Technical Content Writing

## LINKS

LinkedIn:// ayush-shaw  
GitHub:// Ak-Shaw

## EDUCATION

### B. TECH

COMPUTER SCIENCE AND  
ENGINEERING

BGI - SDT | AUG 2017 - JULY 2021  
West Bengal, India  
DGPA: 8.96 / 10.0

## VOLUNTEERING

### CRIO ADVOCATE

CRIO.Do

Oct 2020 - Present

Aided in orchestrating HacktoberFest 2020 and July 2021 edition of IBD and acted as OSS maintainer and reviewer

## EXPERIENCE

### YELLOW CLASS | SOFTWARE DEVELOPMENT ENGINEER II

July 2021 - September 2021 | Gurugram, Haryana, IN

- Technologies Utilized: **JavaScript, TypeScript, Node.js, MongoDB, GraphQL, RabbitMQ**
- Handled feature and bug fixes
- Implemented the backend of the **Notification Preferences** for the platform
- Implemented **push notifications** for Missed Classes
- Played a significant role in implementing **gamification** through points and gems on the platform
- Wrote a script intended to **rectify production data discrepancy in over 7500K documents**

### JAROBLE | BACKEND DEVELOPER

May 2021 - Jun 2021 | Remote

- Technologies Utilized: **Python, Django REST**
- Implemented **Sign-In** functionality and **Sign-Up** utilities
- Built **Microservices** for the **Social Media** aspect of the platform and the backend for a **Quiz application** integrated in the same

### CRIO.DO | SOFTWARE ENGINEER (CONTENT) - INTERN

Nov 2020 - Jan 2021 | Remote

- Contributed **instructional designs** for 6 individual projects which served as **learning content for software developers**
- Actively **reviewed instructional designs** for projects proposed for the **Crio Projects Hub** in the **Crio-projects** GitHub organisation
- Checkout my contributions here: <https://crio.do/projects>

### CRIO.DO | STUDENT BACKEND DEVELOPER - TRAINEE

Feb 2020 - Aug 2020 | Remote

- Contributed to these projects: a **secure file-sharing service**, a **visual stock portfolio analyzer**, an **online IDE**, a scalable distributed back-end of a **food ordering application** and constructed APIs for a **quiz application**
- Portfolio showcasing contributions as a student developer: [criodo.github.io/portfolio-ayushshawz/](https://criodo.github.io/portfolio-ayushshawz/)

## PROJECTS

### VISUAL STOCK PORTFOLIO ANALYZER

Mar 2020 - Apr 2020 | Guided Individual Project

- Technologies Utilized: **Java, SpringBoot**
- Refactored code to adapt to an updated interface contract** published by the back-end team
- Brought **comprehensive error reporting** and better **exception handling** into picture, which further **improved application stability**
- Multi-threading** was introduced to improve application responsiveness

### SECURE FILE-SHARING SERVICE

Feb 2020 - Apr 2020 | Guided Individual Project

- Technologies Utilized: **Bash**
- Identified regressions** in newer versions of the server. Performance issues were debugged by **monitoring the memory usage, cpu usage, file transfer speed, and file permission issues**
- Analyzed collected **pcap** files using **Wireshark** to troubleshoot the following network issues: **TCP retransmissions, connection refusals, dropped connections, sub-optimal TCP window sizes and retransmission delays**