

Ayush Kumar Shaw

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SKILLS

LANGUAGES

Java • HTML • CSS • Javascript
• C • C++ • Python • Shell • SQL

FRAMEWORKS

Spring • Spring Boot

TOOLS

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

DBMS

Oracle • MySQL • MongoDB

PLATFORMS

Linux • GCP

SOFT SKILLS

Leadership • Technical Content Writing

LINKS

LinkedIn:// ayush-shaw

GitHub:// Ak-Shaw

EDUCATION

B. TECH

COMPUTER SCIENCE AND
ENGINEERING

BGI - SDet | AUG 2017 - AUG 2021

West Bengal, India

Cum. GPA: 8.98 / 10.0

VOLUNTEERING

CRIO ADVOCATE

CRIO.Do

Aided in orchestrating HacktoberFest 2020 and acted as OSS maintainer and reviewer.

ACCOMPLISHMENTS

TCS CODEVITA

SEASON 8 ROUND 1 | INDIA ZONE 1

RANK: 574 OUT OF 2562

Aug 2019

EXPERIENCE

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.

CRIO.DO | STUDENT DEVELOPER (CRIO LAUNCH PLUS 2020) - TRAINEE

Apr 2020 - Aug 2020 | Remote

- Contributed to a scalable distributed back-end of a food ordering application and constructed APIs for a quiz application.

CRIO.DO | STUDENT DEVELOPER (CRIO LAUNCH 2020) - TRAINEE

Feb 2020 - Apr 2020 | Remote

- Contributed to these projects: a secure file-sharing service, a visual stock portfolio analyzer, and an online IDE.

Portfolio showcasing contributions as a student developer:

criodo.github.io/portfolio-ayushshawz/

PROJECTS

VISUAL STOCK PORTFOLIO ANALYZER

Mar 2020 - Apr 2020 | Guided Individual Project

- Technologies Utilized: **Java, SpringBoot**
- Stock quote services were addressed via **REST APIs**.
- 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.

FOOD ORDERING APPLICATION

Jan 2020 - Aug 2020 | Guided Individual Project

- Technologies Utilized: **Java, SpringBoot, MongoDB**
- Implemented a simple **REST API** and the corresponding request handler and response methods.
- Code reliability was demonstrated, utilizing **JUnit** and **Mockito** behind the scenes.

SECURE FILE-SHARING SERVICE

Feb 2020 - Apr 2020 | Guided Individual Project

- Technologies Utilized: **Bash**
- Implemented a **pre-installation script** that **validated the minimum system requirements** to be met for the customised **VSFTPD** server installation. The script checked the **availability** of required **processor, memory, disk space**, and **OS version**.
- 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**.
- Created **SSL certificates** to enable end-to-end encryption. In order to **ensure encryption**, snooped the network traffic using **Wireshark**.