




SEAN D'SOUZA

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www.github.com/seendsouza 

Student committed to developing quality and reliable software solutions

SOFTWARE ENGINEER

REFERENCE

During a 7-week period Sean ramped up to speed on our applications and workflow and delivered superior work. He delivered bug fixes, figured out a long-dormant software branch, brought it up to date and drove code reviews to make it merge-ready. He developed experience in Python, in Linux performance monitoring tools, and in a performance test framework called Funkload. He showed the maturity needed to work in a complex high-speed team by working within the team expectations, including dealing with remotely working colleagues, in a very reliable manner.

- Jonathan Crone

Senior Test & Verification Engineer at CENX

ADDITIONAL EXPERIENCE

Director, Director of Photography and Editor for Rogers TV program: High School Happenings that obtained the highest viewer count on the channel

Drummer and Bassist at church

Lead Executive of Coding Club and Cinematography Club in high school

Lighting Director for musical Footloose at high school

Mentor for high school VEX robotics organization consisting of 7 teams

Section Leader and Percussionist in CBSS' Senior Concert Band

Participant in 2 Hackathons which taught me **machine learning, React JS, Flask and AWS**

EXPERIENCE

CENX, Ottawa, ON

Junior Software Developer, 2018

- Worked with clients (Performance Engineering Team) to create software solutions to enable them to find bugs faster
- Introduced to test-driven development, distributed systems, Agile, containerization, microservices, big data and DevOps
- Added to a script that summarizes test data from XML logs from the test framework Funkload written in Python used regularly by one engineer
- Developed a program in Python and AWK that graphs system performance metrics from system logs (SAR) used by two engineers
- Refactored, fixed and restored an HTTP and WebSockets integration test to evaluate if no data was lost when reaching the user, which helped spot a hidden bug in the product

Misc. Projects

vscout

Tech Lead, 2019 – present

- Open source scouting software for VEX robotics written in Dart
- Set up continuous integration (CI) to ensure high code quality in production
- Created documentation for contributors to enforce test-driven development and consistency within the code base
- Designed the project's architecture and peer-reviewed the design with other developers
- Learned new technologies like: Dart (language), Flutter (portable UI toolkit), and Sembast (NoSQL persistent store database)
- Reviewed other developers' code and accepted feedback from others
- Designed and implemented the front end UI
- Managed 3 developers

EDUCATION

University of Ottawa

Bachelor of Applied Science (BASc), Software Engineering (CO-OP) - 2019 – 2023

Colonel By Secondary School

Ontario Secondary School Diploma (OSSD) & International Baccalaureate (IB) Diploma - 2019