Cedric Hansen

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PROFILE

Results driven software developer, with a knack for communication, leadership, and a history of delivering valuable work. Quicker learner, effective problem solver, and creative thinker. As a former NCAA hockey player, I know that teamwork is an integral part of success, and am looking to bring my experience to help bolster a driven team.

KEY SKILLS

- Proficient with: Java, go, Dart/Flutter, C/C++, Javascript, SQL

- Familiar with: bash, Python, C#, HTML/CSS

- Concurrent programming

- Computer networking

- Technologies: Docker, Bazel, Git, Jenkins, AWS, Maven,

- Open source contributor

- Strong quality assurance, and requirements engineering knowledge

- Native French and English

EDUCATION

Software Engineering B.S.
Mathematics minor
SUNY Oswego - 3.87 GPA

AWARDS

- Outstanding Senior in Software Engineering 2020

- 2020 Donal Snygg award (top student athlete)

- NCAA Academic All American

- SUNYAC Elite 20 (x2)

- Men's Ice Hockey Academic Excellent (x2)

PROFESSIONAL EXPERIENCE

Software Engineer
Square - Ottawa, ON (remote)
Oct 2021 – Present

- Member of Risk engineering team, which is responsible for ensuring that both Square, and Square sellers, are protected from fraudulent actors

- Lead the design & development of risk controls for the Unlinked Refunds feature

- Integrated a third party email service into our risk controls, which is now responsible for deactivating ~3000 fake square accounts per week

- Created controls for fraudulent actors who were using spoofed user agent strings. Responsible for saving ~$1.8 million per year.

- Made several improvements to the health of our systems, including optimizing our JVM/GC settings, which reducing paging volume by ~50%

- Collaborated with other product teams to mitigate risk of existing square products

Software Developer
IBM - Ottawa, ON
May 2019 – Oct 2021

- Focused on improving performance of GC policies in [OpenJ9](#)

- Improved Balanced GC policy to reduce total GC pauses by up to 300%, by [dynamically adjusting eden size](#)

- Introduced a "[target pause time](#)" feature for Balanced GC policy, which allows this GC to have a soft pause time target

- Contributed on open sourcing of the "Synthetic GC Workload" test framework

- Resolved several user raised issues

Software Developer
Hansen Lawn & Gardens - Ottawa, ON
Jan 2020 – May 2020

- Independently developed web application to help improve efficiency of daily operations, including navigation, routing, forms, and customer contacts

- Developed using Flutter, Dart, Go, Mongodb, AWS, and various API's

- Application has been in use for ~30 months, by 30+ daily users

- Worked with user feedback to make in app improvements

Automation Engineer Intern
Novelis - Oswego, NY
May 2018 – Dec 2018

- Developed a plant wide QR system for maintenance forms, including daily report dashboards, which reduced time taken to process forms by 50%.

- Independently created an application to generate QR codes for future forms