

Daniel Nucci . Jarvis Consulting

I am a graduate of Ontario Tech University obtaining a degree in Software Engineering with an IoT specialization. I found a passion for software development in high school when I joined a robotics team. I see software and information technology as tools in an engineer's/developer's toolbox. The language that I am most proficient in is Java which I have used for more than 8 years. Java also is the language through which I learned about data structures, OOP, version control tools, and workflow methodologies (such as Agile, Scrum, Waterfall, and XP). Other languages I have learned include Bash, SQL (Postgres, MySQL, SQLite), Python, C (C#, C++, C), and Javascript. All of these tools have helped me develop my mindset surrounding software and problems at large. Since 2016, I have spent my summers as a STEM Instructor. Teaching students at multiple education levels has given me insight into summarizing data at multiple complexity levels. With this being said, I feel my skills in the software field can bring great value to companies seeking a developer that possesses a passion for solving problems with software.

Skills

Proficient: Java, Linux, Bash, RDBMS, SQL (MySQL, PostgreSQL, SQLite), Agile, Scrum, Git, Android Development, XML / JSON / YAML

Competent: Python, Docker, Kubernetes, C# (.NET, Unity), Javascript / Typescript, C / C++, MongoDB, XP (Extreme Programming)

Familiar: Angular / Vue.js, Express.js, Node.js, QEMU, Kotlin, Perl, PHP

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_DanielNucci

Linux Cluster Monitor Agent [GitHub]: Implemented a usage data collecting system that collates data from nodes in a Linux Cluster. This project was programmed using PostgreSQL (PSQL), Bash, crontab, docker, and a Google Compute Engine. The PSQL instance was hosted on a docker container on one of the nodes in the cluster. This database instance held device information about each node in the cluster on one table and the usage data associated with those nodes in another table. A Bash script run using a cron job by way of crontab is used to insert values into the aforementioned usage table. The Google Compute Engine instance was used to emulate the CentOS 7 operating system to ensure that the system was compatible with RHEL and CentOS.

Core Java Applications [GitHub]:

- Grep App: In Progress
- JDBC App: In Progress

Highlighted Projects

Touchless Mall Kiosk System: Integrating 3 touchless technologies to create a mall kiosk that prevents the spread of SARS-CoV-2. The kiosk was fabricated to communicate to other kiosks to direct mall shoppers to their destination. I managed a 4-person team and organized workflow with a Gantt chart and assigning tasks to each member.

Text-Based Connect Four [GitHub]: The game of Connect 4 put into a Client Server Java program hosted in the terminal. A queuing system was programmed to automatically pair two clients of opposite colours together to play a match of Connect Four.

ROPE (Rapid Online Program Evaluator): Produced for coders to speed up their programming prowess by challenging them to code programs. Leveraging Kubernetes and Docker, the website was automatically load balanced to accommodate needs. Users were encouraged to make accounts that are linked to their progress.

Professional Experiences

Software Developer, Jarvis (01/2022-present): tempus urna et pharetra pharetra massa massa ultricies mi quis hendrerit dolor magna eget est lorem ipsum dolor sit amet

Engineering Outreach Instructor, Ontario Tech University (05/2019-08/2019): tempus urna et pharetra pharetra massa massa ultricies mi quis hendrerit dolor magna eget est lorem ipsum dolor sit amet

STEM Camp Counselor, W.A.F.F.L.E.S. Community Robotics (06/2016-08/2017): tempus urna et pharetra pharetra massa massa ultricies mi quis hendrerit dolor magna eget est lorem ipsum dolor sit amet

IT Technician, Toronto District School Board (06/2015-08/2015): tempus urna et pharetra pharetra massa massa ultricies mi quis hendrerit dolor magna eget est lorem ipsum dolor sit amet

Education

Ontario Tech University (2017-2021), Bachelor's of Software Engineering with IoT Specialization, Faculty of Engineering and Applied Science - Predident's list (2020) - Dean's list (2021)

Miscellaneous

- CCC (Canada Computing Competition) Senior top 25% (2017)
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- tempus urna et pharetra pharetra massa massa ultricies mi quis hendrerit dolor magna eget est lorem ipsum dolor sit amet
- FIRST Robotics
- Hybrid Athletics (Running, Cycling, Hypertrophy Training)