

Brodie Snelling

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[Portfolio](#)

PROFILE

I am an experienced mechanical engineer whose passion for problem solving and innovation led me to pursue a career in web development and cloud computing. I am excited to branch into this field because my strong analytical skills combined with my excitement for continuous learning match the fast-paced and expanding technology sector. As a mechanical engineer, I often had to work with clients to quickly come up with cost-effective and efficient solutions to their problems - skills that I am eager to translate into web design and cloud architecture.

SKILLS

JavaScript (ES6), React, Node.js, Express.js, Python, C#, HTML, CSS, Sass, MySQL (SQL), Data Structure, Algorithms, Git, Unity, GitHub, RESTful APIs, Postman, Heroku, etc.

PROJECTS

Team Lead | In-Stock Project

MAR 2022, BRAINSTATION GROUP PROJECT

Took the lead on creating a website using React and Sass on the front-end that tracked up-to-date warehouse inventory by communicating with a server run on Node.js and Express. While promoting source control best practices. The demo was deployed using Heroku and Nelfify.

Lead Developer | Music Promotion App

MAR 2022, BRAINSTATION CAPSTONE PROJECT

Independently built a full-stack application that allows artists to easily promote their music. It was built using React, Sass and JWT for the frontend, Node.js, and Knex.js to query the MySQL (database) for the backend. The demo was deployed using Heroku and Nelfify.

EDUCATION

BrainStation | Diploma, Web Development

JAN 2022 - APR 2022, ONLINE

AWS | Certified Solutions Architect - Associate

ISSUED SEP 2021, ONLINE

University of Ottawa | Bachelor of Applied Science in Mechanical Engineering

JAN 2014 - MAY 2018, OTTAWA, ON

EXPERIENCE

Mechanical Designer Contract | Med-Eng Systems

DEC 2019 - MAR 2021, OTTAWA, ON

- Analyzed designs and offered solutions for existing problems to improve efficiency and cost-effectiveness
- Met with clients, engineers, and manufacturers to discuss projects and incorporated feedback into designs
- Coordinated and led a team of 6 engineers to launch a new Explosive Ordnance Tools line while meeting tight deadlines

Mechanical Engineer in Training | Compendium Group Inc.

JUN 2018 - DEC 2019, PRESCOTT, ON

- Created and edited BOMs and parts in SolidWorks for machines with thousands of components so that clients could easily understand how their equipment functioned
- Met with customers from over 30 different factories to troubleshoot machine problems and coordinated the manufacturing or purchase of spare parts if needed

Engineering CO-OP | Canarm Ltd.

SUMMERS 2016 & 2017, BROCKVILLE, ON

- Created 3D parts, assemblies, and drawings used for production
- Worked with a team of 3 engineers to build and test prototype designs for quality assurance to successfully minimize costs related to faulty designs
- Organized and kept up-to-date material lists of over 500 different materials to streamline product assembly