Jaspreet Singh Marwah

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Toronto-based Software Engineer with expertise in Cloud DevOps and Software Development. Demonstrated ability to innovate and collaborate. Personable, results-oriented, and highly adaptable. Ready for immediate employment with an Open Work Permit.

TECHNICAL SKILLS

Languages: Python, PowerShell, Java, C++, JavaScript
Cloud Platforms: AWS, Azure
Automation Tools: Terraform, Ansible, Kubernetes

Database Tools: MongoDB, MySQL
WebDev Tools: React, Express, Node, Redux, Bootstrap
Others: Azure DevOps, Git, Linux, Bash/Shell, Docker

EXPERIENCE

Healthcare of Ontario Pension Plan (HOOPP)
DevOps Co-op

Toronto, ON
May 2023 - Aug 2023

- Implemented and maintained Azure DevOps YAML pipelines, streamlining application integration and continuous delivery.
- Developed automation solutions in Python and PowerShell, reducing Time to Deployment (TTD) by 2 hours.
- Transformed a 30-minute manual task into a 2-minute process by developing a custom Python application, enhancing efficiency.
- Led a POC to auto-scale an Azure DevOps build agent pool using AKS, kubectl, Docker, and YAML pipelines.
- Engaged in agile activities, including stand-ups, sprint planning, and retrospectives, promoting teamwork and iterative development.

MangoVisa
Software Developer

Mississauga, ON
Jun 2022 - May 2023

- Full-stack developer for a startup assisting global businesses expanding to Canada, utilizing MERN stack (MongoDB, Mongoose, Express.js, React.js, Redux, Node.js).
- Collaborated with one other developer to rebuild the product's frontend and backend architecture.
- Reported directly to the CEO and recommended UI/UX improvements which were integrated into subsequent product designs.
- Conducted 8 technical interviews and onboarded 2 new team members.

AI Hub, Durham College
Research Assistant

Oshawa, ON
Mar 2022 - May 2022

- Tagged data and trained an AI model used in a robot to assess the health of an apple orchard.

Complex Systems Lab, IIIT Delhi
Research Intern

New Delhi, India
May 2019 - Dec 2019

- Collaborated with a team of 11 to develop RecipeDB, an extensive database of 118k+ recipes and 20k+ ingredients from 22 world regions. (doi.org/10.1093/database/baaa077)
- Co-authored a research paper published in the "Database" journal by Oxford University Press.

EDUCATION

Seneca Polytechnic (formerly Seneca College of Applied Arts and Technology)
Grad. Cert. in Cloud Architecture and Administration (High Honours); GPA 4.0/4.0

Ontario, Canada
2022 - 2023

Durham College
Grad. Cert. in Artificial Intelligence Analysis, Design and Implementation (Honours); GPA 4.82/5

Ontario, Canada
2021 - 2022

IIIT, Delhi
Bachelor of Technology in Computer Science and Applied Mathematics; GPA 7.03/10

New Delhi, India
2017 - 2021