

SOLAIMAN JAWAD

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SKILLS

- Experienced with highly available distributed systems, backend, databases, infra, machine learning
- Proficient in Python, Java(Spring), JavaScript(Node, React), Go, C, C++, Lisp, SQL

WORK EXPERIENCE

Amazon Vancouver, BC
Software Development Engineer (Amazon Web Services) Jan '23 – Present

- Part of the API Gateway team, improving availability and security across a Tier 1 service in AWS

Hivestack Vancouver, BC
Junior Software Developer (Campaigns) Sept – Dec '22

- Customized Campaigns API to queue expensive operations on workers to improve user experience
- Remodeled relationship between DSP deals and sites, allowing grouped deals with multiple locations

Alida Toronto, ON
Software Development Intern (Touchpoint Microsurveys) Sept '21 – Apr '22

- Built a survey page template in React to add sections dynamically, pushing user engagement up **6%**
- Expanded custom targeting by including customer attributes to selectively choose customers to survey
- Created support for variable survey states in branching logic, allowing progression to be non-linear

PointClickCare Mississauga, ON
Software Engineering Intern (Order Creation) Jan – Apr '21

- Implemented multiple components in the core workspace from concept designs through completion
- Worked cross-team to develop various landing pages for order creation using React and Typescript

Electro Source Inc Etobicoke, ON
Software Developer (SR&ED Credit Tracker) Jun – Aug '20

- Built a work management program that monitors SR&ED claimable projects using email digests
- Managed infrastructure using Terraform and initiated ASG scaling policies, saving **\$12,000+** annually

Intelrad Medical Systems Toronto, ON
Software Developer (Machine Learning) Sept – Dec '19

- Automated the chest X-ray hanging protocol by building neural networks to classify viewing angles
- Created a residual variation of YoloV3 for object detection of vertebra in the spinal column
- Improved data collection throughput by **45%** in analysis tools using Fourier transforms and OpenCV

The Co-operators Kitchener, ON
Software Developer (Innovation Lab) Jan – Apr '19

- Designed a chatbot in Node.js to autofill insurance forms used to onboard users saving **\$7000** annually

EDUCATION

University of Waterloo Sept '17 – Sept '22
Honours Bachelors of Computational Mathematics, Computing Technology Option

PROJECTS

- **pathfinder** – Interface which generates mazes and visualizes different pathfinding algorithms
- **mapreduce** – CLI tool that emulates MapReduce, running plugin-based Go functions in parallel

Other notable projects: **bigRSA**, **restTorrent**, **fzySearch**