MANDY
MEINDERSMA

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EXPERIENCE

Senior Software Engineer | Dotdash Meredith
August 2023 to Present – Digital Publishing Company – New York, NY
Processed data from various API's (Instagram, Meredith, etc.) to deliver to 200M users/month.
Trained 40+ developers by writing onboarding documentation, code along exercises and quizzes.
Designed + coded complex features in **Java** and **Spring** to be used by 27+ downstream teams.
Utilized AI tools like Sourcegraph to improve team velocity by 8x and create useful internal tools.

Senior Data Engineer | DrugBank
June 2022 to December 2022 – Medical Drug Database – Edmonton, Canada
Led the Data Engineering efforts of a 9-person team that parsed over 60,000 clinical trials.
Resurrected a 14 year old **Ruby on Rails** repo, improving code coverage by 15% with unit tests.
Made critical technical decisions to optimize performance and scalability of **Python ETL pipelines**.
Provided prompt and detailed information to customer support, resolving daily issues efficiently.

Backend Developer 2 | Dotdash Meredith
October 2019 to June 2022 – Digital Publishing Company – Edmonton, Canada
Built microservices + **RESTful APIs** hosted on **AWS** for 6M pages with high performance.
Utilized **Elasticsearch** to monitor data migrations + logs on over 40 sites to create high durability.
Created performance-first features recognized by webperf and econify using **Redis** and Ehcache.

EDUCATION

Bachelor of Science, Specialization in Computing Science | University of Alberta
Graduated: May 2019 - Courses: web development (**JavaScript, HTTP, TCP**), Data structures,
Java, software lifecycle (SDLC), TDD, **Git**, algorithms, **Python**, robotics + **ROS**, machine learning.

VOLUNTEER

Hardware Track Speaker Reviewer | Grace Hopper Celebration
April 2023 to May 2023 – Largest conference of women in tech, roughly 25,000 attendees
Reviewed 100+ speakers from around the world in a very tight timeline to create the schedule.

Career and Technical Mentor | AI4Good
May to September 2021 – Program to get more minorities interested in Artificial Intelligence
Mentored a team of 4 women completing **AI** + **ML** hackathon, bootcamp and final project demo.
Conducted practice interviews for the team and provided constructive feedback.

PROJECTS

Open-Source Mentor – 2023/2024 - **HTML** - Led students through open-source workflow.
Nonogram Solver - Aug 2023 - **Java** - Created an Object-Oriented solution to solving a game.
Dev Types Workshop - Feb 2023 - **React, SQL, AWS** - Made bugs for students to find + solve.
Hackathon Mentor - 2021 – **Python, JavaScript** – Mentored at Hack the North and Technica.
Dev Edmonton Website - Since 2021 - **Nuxt, Vue, Tailwind** - Managed open-source repo.
Codevid - June 2020 - **CSS, HTML, Ruby** - Lead global hackathon where site had 10K+ hits/day.