

MANDY MEINDERSMA

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EXPERIENCE

Senior Software Engineer | People Inc. (formerly Dotdash Meredith)

August 2023 to Present – Digital Publishing Company – New York, NY

Designed + coded complex features in **Java** and **Spring** to be used by 27+ downstream teams. Processed data from various APIs (Instagram, Meredith, etc.) to deliver to 200M users/month. Trained 80+ developers by writing onboarding documentation, code along exercises and quizzes. 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. 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 using **Redis**, Ehcache and extensive testing down to the ms.



EDUCATION

Bachelor of Science, Specialization in Computing Science | University of Alberta

Graduated: May 2019 - Courses: web dev (**JavaScript**, **HTTP**, **TCP**), Data structures, **Java**, software lifecycle (SDLC), TDD, **Git**, algorithms, **Python**, robotics + **ROS**, AI + machine learning.



VOLUNTEER

Chapter co-lead | Robotics Meetup

October 2024 to Present – Events to get more minorities interested in Robotics

Ideate fun hands-on workshops for each event: paper circuits, breadboarding, soldering.

Hardware Track Speaker Reviewer | Grace Hopper Celebration

April 2023 to Present – 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. Kept up to date with the latest robotics news and prototypes companies are creating.



PROJECTS

Infrared controlled LEDs - 2025 - **Arduino** - Built a working prototype to control LEDs to present as a workshop to university students and speak at a conference in November 2025.

Open-Source Contributions - Since 2021 - **Polyglot** - Small commits to Dagster, Viam, etc.

Dev Types Workshop - 2023/2025 - **React**, **SQL** - Made bugs for students to find + solve.

Open-Source Workshop - 2023/2024 - **HTML**, **Python** - Led 70 ppl in their 1st contribution.

Dev Edmonton Website - Since 2021 - **Nuxt**, **Vue**, **Tailwind** - Managed open-source repo.

Hackathon Mentor - 2021 - **Python**, **JavaScript** – Mentored at Hack the North and Technica.