

Raiyan Jamil

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EDUCATION

University of Waterloo

Bachelor of Computer Science, Co-operative Program (GPA: 3.7, Distinction)

Waterloo, ON

Sep. 2021 – Dec. 2025

EXPERIENCE

Software Developer

May 2024 – April 2025 (1 year)

Adentro Inc.

Waterloo, ON

- Built a data pipeline integrating Adobe Experience Platform with LiveRamp to export and activate first-party customer audiences for cross-channel advertising campaigns. | Python, AWS (Lambda, S3), Golang, gRPC.
- Contributed in the migration of microservices to Meta's Conversions API, enabling seamless conversion tracking after the deprecation of the legacy API. | Scala, Apache Airflow, PostgreSQL.
- Completed 100+ tickets by planning, designing, coding, and testing in production environments. | Atlassian Confluence, Jira, Figma, Jenkins.

Full Stack Developer

Sep. 2023 – Dec. 2023 (4 months)

AssetFlo Inc.

Brampton, ON

- Fixed an add-in on Geotab's dashboard to enable clients to get a unified view of fleets. | JavaScript, CSS, Ngrok.
- Improved fleet route tracking by refactoring frontend user interface to display more accurate locations and configuring distance granularity in backend services. | React, Redux, Node.js, Molecular, MongoDB, Redis.
- Sped up firmware development by replacing manual debugging with automated scripts. | MQTT, C++.

Software Developer

Jan. 2023 – April 2023 (4 months)

Adentro Inc.

Waterloo, ON

- Developed an internal tool for Customer Success (CS) team to easily manage dashboard banners. | React, Redux, Python, Django, MongoDB.
- Developed a webpage on the merchant dashboard containing walk-in trends of businesses. | React, Golang, gRPC.
- Contributed to ads infrastructure by modifying microservices and applying schema changes to databases. | Scala, PostgreSQL, Flyway.

Project Team Member

May 2022 – Aug. 2022 (4 months)

WE Accelerate, Manulife Stream, University of Waterloo

Waterloo, ON

- Acquired knowledge of modern web development fundamentals through instructors of Manulife. | JavaScript, Node.js, React, GraphQL, Test Drive Development (TDD), Event Driven Architecture.
- Contributed to developing a website for a startup business called Pathpeer as part of the training. | Bubble.io.
- Developed and presented software projects to peers, while providing and incorporating constructive feedback through collaborative code reviews. | JavaScript, Node.js.

PROJECTS

CodeStream | <https://codestream.npsolver.io/>

<https://github.com/npsolver/CodeStream>

- A real-time code execution pipeline where programs are built and run in isolated containers with AI feedback on code errors.
- Built frontend components including an editor, standard output, and AI response using React, Next.js and Vercel.
- Coded backed services in Java, Spring boot, and Maven and deployed on AWS EC2 with Nginx as a reverse proxy.
- Implemented job processing queues on AWS SQS and stored execution results on PostgreSQL running schema migration through flyway.

MathLens | <https://mathlens.npsolver.io/>

<https://github.com/npsolver/MathLens>

- AI-powered equation recognition tool that converts images of math expressions into LaTeX.
- Developed frontend with TypeScript, React, Next.js and Vercel incorporating a live LaTeX preview.
- Launched backend with FastAPI (Python) on AWS Lambda retrieving results from Gemini.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Golang, Scala, Java, HTML, CSS, GraphQL, Bash.

Frameworks: React, Redux, Node.js, Next.js, Express, Django, Spring, LangChain, FastAPI, gRPC.

Databases/Deployment: MongoDB, PostgreSQL, Redis, Docker, Jenkins, Maven, Nginx, AWS.

Development: GitHub, Postman, Confluence, Jira, Figma, Claude, Cursor, ChatGPT, Agile/Scrum.