

PARTH PATEL

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SKILLS

Languages: Python, JavaScript, TypeScript, Ruby, C/C++, SQL, C#, Bash, HTML/CSS

Frameworks/Libraries: Node.js, Express, Flask, React, Pandas, Jest

Development Tools: AWS, MongoDB, GraphQL, Docker, Git, Bitbucket, Jira

EDUCATION

University of Waterloo

B.A.Sc. Systems Design Engineering

Waterloo, ON, Canada

Sep 2020 – Apr 2025

- **GPA/Awards:** 85.4%, Dean's Honours List Recipient, Motorola Engineering Scholarship, President's Scholarship
- **Relevant Courses:** Data Structures and Algorithms, Digital Computation, Digital Systems

EXPERIENCE

Vidyard

Software Developer Intern

Kitchener, ON, Canada

Jan 2023 – Present

- Currently leading a project to develop a new **webhook integration** that identifies viewers on customer videos, allowing sales teams to more readily associate views with contacts in their Data Warehouse systems, using **Ruby**
- Building a new way to integrate video analytics to CRM platforms, **saving weeks of development time**, through building a **GraphQL API handler** with **Node.js** and **TypeScript** that pushes view data to multiple applications at scale

ODAIA

Software Engineer Intern

Toronto, ON, Canada

May 2022 – Aug 2022

- Spearheaded the planning and development of new **cloud infrastructure** to provide seamless management of AWS resources and optimize code testing/deployment processes for engineers, using **AWS CloudFormation** and **Bash**
- Built an **account management portal** to significantly reduce the time users spend scoping leads, using **Python** and **React**
- Decreased **AWS Lambda** package sizes by **63%** to overcome size limits by migrating dependencies to **AWS S3/Docker**

Reebee

Backend Software Engineer Intern

Kitchener, ON, Canada

Sep 2021 – Dec 2021

- Streamlined the manual process of creating flyers which saved up to **3 hours/day** in processing time by developing a REST API, using **PHP** and **MySQL**, that validates and automatically populates flyers pages with products requested by retailers
- Automated data stream ingestion into a **Snowflake Data Warehouse** from **AWS Aurora** with **ETL scripts** to process and scale real-time analytics from **200k+ daily users**
- Performed **test-driven development** by writing unit/integration tests to cover new APIs, ensuring **over 90% coverage**

Waterloop

Full Stack Developer

Waterloo, ON, Canada

Sep 2021 – Dec 2021

- Led the development of an internal ATS to track **100+ applicants** during hiring cycles, using **Node.js** and **PostgreSQL**
- Developed a new REST API with **Node/Express** and **PostgreSQL** that allows blogs to be created within the team's CMS

Ceridian

Software Developer Intern

Toronto, ON, Canada

Jan 2021 – Apr 2021

- Simplified the data retrieval process for **100+ engineers** by building a centralized configuration manager, using **C#** and **MongoDB**, which allowed every team to securely retrieve their data from one place
- Reduced server-side errors by **over 85%** through developing a retry policy using an **exponential backoff algorithm** and wrapping API calls with it to resend failed requests until success

PROJECTS

Diversify (Spotify Analytics Web App) 📁 | Python (Flask and Pandas), Azure, Heroku, HTML/CSS, Spotify API

- Developed a web app, gaining **1k+ users**, that visualizes Spotify data, recommends music and builds custom playlists
- Parsed **1,442 song attributes** with **Pandas** and analyzed its sentiment using **Azure** to match new songs to users

PoliViews (Hack the North Project) 📁 | Python (Flask), React, Azure

- Created a political search engine that displays the ideas of each Canadian political party in a quick and easy manner

INTERESTS

Garba (Indian Folk Dance), Hackathons, Basketball, Calisthenics, Tennis