

MARMIK PATEL

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EDUCATION

University of Saskatchewan

Bachelor of Science, Computer Science. GPA: 4.0/4.0

Sept 2021 - Present

Saskatoon, SK

EXPERIENCE

7shifts Inc.

Software Engineer Intern

May 2023 - Present

Saskatoon, SK

- Developing full-stack tip distribution software for restaurant managers using **React.js**, **TypeScript**, **PHP**, and **MySQL**, simplifying the payment process for 269 restaurants.
- Automating restaurant location removal using a new **API endpoint** and a survey-based frontend workflow, saving two hours per week in manual offboarding.
- Implementing a modal for managers to adjust tip payments, ensuring **3820 restaurant staff** receive appropriate wages.
- Testing the UI and API with **Jest** and **PHPUnit**, ensuring authorization and data validation.

Infokidz Academy Inc.

Software Developer Intern

May 2022 - Aug 2022

Edmonton, AB

- Architected a full-stack web application to advertise the company's services using **React.js**, **Node.js**, **Express.js**, and **MongoDB**, increasing registration by **400%**.
- Designed server-side logic to store academic worksheets in an **AWS S3** bucket, providing hundreds of practice questions to students.
- Automated the company workflow to register students, saving 15+ annual hours of work.
- Implemented user authentication using Google OAuth 2.0 and PassportJS, securing vital functionality.

PROJECTS

Long Covid Study Participant Portal

Jan 2023 - Apr 2023

- Engineered a Covid data dashboard in a team of nine for a **\$20,000,000 research study**, displaying statistics for 650 study participants.
- Implemented CSV parsing and data upload for administrators using **TypeScript**, **Next.js**, and **Supabase (PostgreSQL)**, categorizing data for over 1000 study surveys.
- Documented a test plan and traceability matrix, and used it to implement **Cypress system tests** and practice **TDD with Jest**.

Relatable

Sept 2022 - Present

- Developed a university course catalog using **Python**, **Django**, **React.js**, and **MySQL**, reinventing the course registration process for **26,000 students**.
- Integrated the backend to the frontend by creating a REST API, displaying 4734 courses.
- Remodelled the database to handle unstructured data, eliminating two weeks of additional tasks.

TECHNICAL SKILLS

Languages: Java, JavaScript/TypeScript, Python, SQL, PHP, HTML/CSS

Technologies: React.js, Node.js, MySQL, Express.js, Next.js, Django, Docker

Developer Tools: Git, Unix/Linux, Jest, PHPUnit, Cypress, AWS S3