

Vaansh Lakhwara

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SKILLS

Programming Technologies	Python, Java, C#, JavaScript, TypeScript HTML5, CSS3, SQL, Common Lisp, Markdown, PHP
Languages	React, Node.js, Git, Unix, \LaTeX , Docker, Selenium, GraphQL, .NET 5, AWS, PostgreSQL, MySQL
	English (Spoken & Written), Hindi (Spoken & Written)

EDUCATION

Bachelor of Computer Science

Concordia University, Montreal, QC

Sep 2019 – Aug 2023 (expected)

- Member of the Institute for Co-operative Education.
- Relevant Courses:** Data Structures Algorithms, Web Development, Object Oriented, OS, Databases and AI/ML.

PROJECTS

LiReddit

Docker - GitHub

Apr 2021 — May 2021

- A fullstack TypeScript React GraphQL website where users can share texts of data to a mutual wall.
- Used Chakra UI as the React library to style the frontend with Next.js and URQL/Apollo as the GraphQL Clients.
- Created backend using PostgreSQL with MikroORM/TypeORM for migrations and Redis to store sessions.
- Implemented posts feed with cursor pagination. Cache and batch relational data with dataloader.
- Created a docker image and deployed backend running dokku to Azure and frontend to Vercel.
- Technologies practiced: React, TypeScript, GraphQL, URQL/Apollo, Node.js, PostgreSQL, MikroORM/TypeORM.

.NET 5 REST API Catalog

Docker - GitHub

Jan 2021 — Mar 2021

- An asynchronous REST API made using the .NET 5 framework that is used to store the name and price of products.
- Used a MongoDB (NoSQL) repository and tested CRUD endpoints with SwaggerUI and Postman.
- Practiced dependency injection and implemented Data Transfer Objects (DTOs).
- Created a docker image and stood up a kubernetes cluster in the box.
- Technologies practiced: .NET 5 Framework, Postman, MVC, MongoDB, RESTful APIs, Docker.

Automated Workflow (Reddit - Instagram)

GitHub

Jul 2020 — Sep 2020

- Worked on multiple ways to automate the workflow for social media, with PRAW using Selenium Web Driver.
- Run on Amazon web services EC2 instance (Ubuntu) to maintain pages with over 45,000 followers on instagram.
- Technologies practiced: Reddit API, Pillow, Web Selenium, AppleScript, Pyautogui, AWS.

Beast Fit (Full Stack Website)

GitHub

Sep 2020 — Dec 2020

- Implemented backend signup/login functionality. Hashed sensitive user information stored in the database.
- Added Stripe API to add a layer of security for payment and maintain transaction history. Configured test API keys.
- Technologies practiced: PHP, JavaScript, Stripe API, HTML, CSS, MySQL.

EXPERIENCES & OTHER

Accounting Intern

Assisted the accounting department in maintaining a record of the company expenditures and managed day-to-day issues within the department during a 3-week internship.

Noble Enterprises

Future Ventures

Automation, AI/ML, Security

Interests

Basketball, Table Tennis, Podcasts, Audiobooks

Certifications

AWS Educate Student (Amazon Web Services), Microsoft Learn Student Ambassador