Prakarsh Kamal

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EDUCATION

McMaster University *Sept 2019 – May 2024*
Bachelor of Applied Science, Honours Computer Science (Co-op), **GPA: 3.7/4.0**
Relevant courses: Data Structures & Algorithms, Software Testing, Object-Oriented Programming, Concurrent Systems, Databases

PROFESSIONAL EXPERIENCE

Vena Solutions, Toronto, ON *May 2022 – Present*
Software Developer Co-op [React, JavaScript, Java, TypeScript]
- Implementing modeler features using React on Vena's **SaaS** web application used by **1200+** customers across **10+** industries
- Programmed unit tests for modeler utilizing React Testing Library and Jest to achieve **85%** test coverage
- Spearheaded the work for a front-end skeleton in the delivery of a new **MVP** - Quick Start Wizard model flow which helped to reduce TTV (Time to Value) by **127** hours
- Developed a TypeScript Progress Bar Component for our in-house UI Library which is deployed and used by **8** different teams
- Refactored client model DTOs in Java which send information to front-end allowing users to distinguish a **Standard Model**
- Participating in **thorough code reviews** with testing to find bugs and outline standard coding conventions
- Running and deploying **CI/CD** pipelines using Jenkins and monitoring/recording flaky tests utilizing Datadog
- Led a team of **8** developers as Scrum Master in Q3 with responsibilities including ticket pointing, collaborating with Product Manager/Tech Lead, and obeying agile best practices

Giden, Toronto, ON *Sept 2020 – Dec 2020*
Front-end Developer Intern [React, JavaScript]
- Developed front-end components such as the sidebar and navigation bar using React
- Utilized media queries to support a responsive user experience for **20%** of the mobile audience
- Tested the **2** components with spec files to ensure robust functionality

PROJECTS

- **The Daily Edition** *[TypeScript, Next.js, React, mediastack API, GraphQL, Tailwind CSS, StepZen]* *Jan 2023*
  - Coded a news app which pulls in live data from the mediastack news API to display on the front-end built with TypeScript, React, Next.js and Tailwind CSS
  - Employed GraphQL queries to filter **10** properties from the API like image, author, title, description, country, timestamp etc. that route to a custom-built endpoint in StepZen
  - Added search and news categories with incremental static regeneration on **7** pre-built pages which cache the data every **30 seconds** increasing build times by **20%**
- **Hydronizer** *[JavaScript, React, Python, HTML/CSS]* *Jan 2021*
  - Innovated the idea of smart solution to set reminders for regular water breaks
  - Created google chrome extension in JavaScript to interrupt user's screen and initiate **30 minutes** timer
  - Utilized REST APIs to send and receive metric information from backend to frontend
- **Rock, Paper, Scissors** *[Java, JUnit]* *Oct 2020*
  - Developed Java program to parse user input and evaluate output on rules of rock, paper, scissors
  - Implemented the stack data structure as an input validation technique on **3** types of parentheses
  - Designed various test and edge cases using JUnit **unit tests** to output results to terminal
- **Social Media Clone** *[Django, Python, JavaScript, SQLite, HTML/CSS]* *Mar 2020*
  - Implemented basic features – login, sign-up, password reset components and pages
  - Incorporated advanced features – messages, user profile/interests, friend requests, liking posts
  - Populated a test database with **5 users** using SQLite (Relational Database) to ensure an efficient storage
  - Deployed Django as the backend and managed RESTful API calls

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, TypeScript, Python, C, HTML/CSS, Tailwind CSS, SQL, Bash, LaTeX, Haskell
- **Frameworks/Technologies:** React.js, Node.js, Next.js, Redux, GraphQL, Django, Jest, Selenium, JUnit, Figma, Adobe XD
- **Developer Tools:** Git, Jira, IntelliJ, VSCode, Linux, PowerShell, AWS, Jenkins, Docker, Postman

CERTIFICATIONS AND AWARDS

- **Amazon Web Services (AWS) Certified Cloud Practitioner (CLF-C01)** *July 2022*
- **McMaster Dean's Honor List** *May 2021 / 2022*