

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, Databases

EXPERIENCE

Vena Solutions, Toronto, ON

July 2024 – June 2025

Software Developer 2 [React, TypeScript, Node.js, Java, REST, Jenkins]

- Co-developed and launched *Vena Copilot for Microsoft Teams*, integrating AI-generated reports and insights into enterprise workflows and streamlining user access through Microsoft Teams integration
- Architected and implemented the end-to-end delivery of the “Open in Teams” feature using Microsoft Graph API, reducing reporting steps by **3x** and enabling Excel previews directly inside the Teams app
- Engineered and rolled out a reusable login micro-frontend in Node.js for internal Vena applications, implementing REST APIs to support SSO and 2FA authentication flows
- Delivered a production-ready dark mode implementation within **24 hours** to meet Microsoft Partner Center validation requirements ahead of public release
- Integrated internationalization (i18n) into the Vena web client, enabling dynamic switching between **10+** languages and locales to support global readiness
- Managed large-scale UI and server deployments using Jenkins/Azure DevOps pipelines, feature flags, CI job validation, and automated test suites, streamlining release processes and reducing deployment errors by **30%**

Vena Solutions, Toronto, ON

May 2022 – Aug 2023

Software Developer Co-op [React, TypeScript, Java, MySQL]

- Constructed and tested modeler features in React for Vena’s SaaS platform used by **1700+** enterprise clients, achieving **85%** test coverage with React Testing Library and Jest
- Spearheaded frontend development for the Quick Start Wizard MVP, a new onboarding experience, reducing customer onboarding time by **130+** hours
- Developed a reusable TypeScript progress bar component for the custom UI library adopted by **10+** internal product teams
- Refactored legacy components and backend DTOs, including a Settings page migration from Backbone.js to React, which cut render time by **85% (100ms to 15ms)** and reduced tech debt

Giden, Toronto, ON

Sept 2020 – Dec 2020

Front-end Developer Intern [React, JavaScript]

- Built responsive navigation bar and sidebar in React with mobile-first CSS, improving UX for **20%** of mobile users
- Authored unit tests with Jest for UI components, raising reliability and preventing regressions across key UI flows

PROJECTS

Finddit [React Native, Node.js, REST, Firebase, Google Cloud, Expo]

- Led development of a group restaurant picker mobile app using Firebase, ranked **top 3** out of **100+** student projects

Ripe Mangoes [React, Java, Spring Boot, REST, MongoDB]

- Developed a full-stack movie review app using Spring Boot and MongoDB, enabling real-time review creation via REST APIs

The Daily Edition [TypeScript, Next.js, React, REST, GraphQL, Tailwind CSS]

- Coded a live news app with React and GraphQL, to stream and filter real-time articles with search and category support

Hydronizer [JavaScript, React, REST, Python, HTML/CSS]

- Created a Chrome extension for **30-minute** hydration reminders and synced data using a lightweight Flask API and Firebase

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, Python, TypeScript, SQL, MySQL, C, HTML, CSS, Tailwind CSS, Bash
- **Frameworks/Technologies:** React, Node.js, Next.js, MongoDB, GraphQL, Spring Boot, Jest, JUnit
- **Developer Tools:** Git, Docker, Postman, REST, Jenkins (CI/CD), Azure DevOps, AWS, Firebase, GCP, Expo

CERTIFICATIONS AND AWARDS

- **Amazon Web Services (AWS) Certified Cloud Practitioner (CLF-C01)**
- **McMaster Dean’s Honor List**

July 2022

May 2021 / 2022