

KRITAN TAMRAKAR

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Summary

- Experienced in developing and maintaining full scale web applications, utilizing mostly modern technologies.
- Ambitious learner, completing various in-class and out-class courses, leading to proficiency in back-end and front-end technologies.
- Experienced and educated in seven stages of professional software development methodologies and architectures.
- Knowledge of machine learning and IoT.

Co-Op Work Experience

Veda App

January 2022 - April 2022

Software Engineer Intern

Bagmati, Nepal

- Collaborated on a team of developers to enhance the customer web application experience by optimizing database queries and server management, resulting in a 25% improvement in overall system performance.
- Resolved 90% of customer-reported issues within 24 hours, ensuring a high level of customer satisfaction.
- Refactored the layout of different sections of front-end web application, increasing large margin of customer satisfaction.
- Participated in the full software development lifecycle, from requirements gathering to deployment.

Technical Skills

Languages: Java, JavaScript, Python, SQL\No-SQL, HTML\CSS

Developer Tools: AWS, Docker, VS Code, IntelliJ IDEA, Eclipse, Git

Technologies/Frameworks: Django, Spring, Hibernate, RESTful APIs, React.js, Express.js, bash, GitHub.

Education

Sheridan College

January 2023 - present

Brampton, ON

Advanced Diploma in Software Development & Network Engineering

GPA: 3.61

Projects

Inventory Management System | Spring, Hibernate, JPA, MySQL

September - October 2023

- Constructed a spring based micro-service architecture involving product inventory management, with order placement facility to clients.
- Incorporated various automated dev-ops strategies and utilized eureka server for high availability and elasticity of overall application.

Modern Authentication System | Nest.js, Node.js, Next.js, MySQL

September 2023

- Created a functioning modern authentication service using Nest.js (Spring-like framework) ensuring access to eligible users, protecting the system from unwanted users.
- Implemented proper RESTful APIs following MVC model and ORM based technologies for database manipulation.

Demo E-Commerce | PHP, JavaScript, MYSQL, cPanel

July 2023

- Developed an e-commerce application, featuring intractable abilities achieving top 1% grade in whole class from Professor.
- Developed an efficient item deletion mechanism, reducing database junks by wide margin and enhancing overall system performance.

Front-End For Everyone | React.js, Python, AWS, bash

June 2023

AWS Summit

Toronto, Canada

- Participated in a team to develop robust administrative applications, allowing authorized users to manage others profile through the admin services.
- Implemented the authentication and authorizations of the users in the application using various dev-ops tools and processes such as AWS Cognito, API gateway, Elastic beanstalk.

Extra Work Experience

Tim Horton's

January 2023 - Present

Team Member

- Performed within team to serve drinks and food to customer, increasing the customer feedback by 15%.
- Interacted with advanced POS system, taking order of the customers.