**KRITAN TAMRAKAR**

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**Summary**

• Experienced in developing and maintaining full scale web applications, utilizing mostly modern technologies.

• Self-motivated learner, completing various in-class and out-class courses, leading to proficiency in back-end and front-end technologies.

• Educated in professional software development methodologies and architectures.

**Co-Op Work Experience**

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| Veda App | Jan. 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.

• Involvement in troubleshooting and resolving 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.

**Technical Skills**

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

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

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

**Education**

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| --- | --- |
| Sheridan College | Jan. 2023 - present |

Brampton, ON

Advanced Diploma in Computer System Technology - Software Development and Network Engineering

**Projects**

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| --- | --- |
| Inventory Management System | Spring, Hibernate, JPA, MySQL | September - October 2023 |

• Developed and designed a spring based microservice 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.

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| --- | --- |
| Modern Authentication System | Nest.js, Node.js, Next.js, MySQL | September 2023 |

• Developed 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.

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| 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.

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| --- | --- |
| 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 their 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**

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| --- | --- |
| 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.