

KRITAN TAMRAKAR

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Professional Summary

- Experienced and proficient in developing and maintaining full-scale web applications through Java/Spring, JavaScript/React/Node/TypeScript, and Python.
- Experienced and Proficient with SQL and NoSQL in relational and non-relational database systems.
- Experienced with AWS Cloud Development and Deployment.
- Excellent written and verbal communication and presentation skills.
- Ability to work in a collaborative team environment and effectively communicate complex technical concepts.

Work Experience

Veda App

January 2022 - April 2022

Software Engineer Intern

Bagmati, Nepal

- Collaborated with a team of developers to enhance the customer web application based on React.js, Node.js, Nest.js, and Spring by optimizing MySQL database queries and backend APIs, resulting in a 20% improvement in the overall performance of the system.
- Refactored the layout of different sections of front-end web application using React.js and tailwind, increasing 10%-15% of user experience.
- Conducted thorough manual and automated testing using testing tools such as Selenium of web application functionalities, identifying and documenting 8-10 critical defects.
- Utilized Jira for comprehensive issue tracking, creating, and managing tasks, and actively participating in agile workflows, ensuring effective collaboration with team members and timely resolution of development issues.

Technical Skills

Languages: Java, JavaScript, Python, MySQL, HTML5/CSS3, TypeScript, C\C++

Developer Tools: AWS, Docker, Jira, Git, Jenkins

Technologies/Frameworks: Nest.js, Next.js, Node.js, Spring, RESTful APIs, React.js, Selenium, bash, GitHub.

Education

Sheridan College

January 2023 - present

Brampton, ON

Advanced Diploma in Software Development & Network Engineering

GPA: 3.61 / 4.0

Volunteer Participation

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, and Elastic Beanstalk.
- Developed a python script using boto3 to automate AWS resources, such as EC2 instances and S3 buckets, for dynamically scaling infrastructure.

Projects

Inventory Management System | Spring, Hibernate, JPA, MySQL

September - October 2023

- Constructed a spring-based micro-service architecture involving product inventory management and an order placement facility for clients.
- Incorporated various automated dev-ops strategies and utilized the 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 and protecting the system from unwanted users.
- Implemented proper RESTful APIs following the MVC model and ORM-based technologies for database manipulation.

Automated Sports News Scraper | Python, Selenium, XPATH

August 2023

- Developed a scraper, automating data scrapping from the web at a fixed time frame in a day.
- Stored the data in a separate CSV formatted file each day for data analysis and readability.