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Education

Sheridan College

January 2023 - April 2024

Diploma in Network and Software Engineering (*Honours*)

Oakville, ON

- **Relevant Coursework:** System Design, Computer Networks, Database Management, Enterprise Software Development (Java, Spring C#, ASP.NET), Web Development (Angular), IT Project Management PMP

Experience

PRODIGY INFOTECH

February 2024 – March 2024

Software Engineer Intern

Remote

- Achieved a remarkable on-boarding milestone by actively contributing code within the initial two days, demonstrating a 10% faster integration pace compared to the average on-boarding timeline.
- Facilitated in resolving initial software bugs in the first week within ASP.NET app, reducing project error rates by 6.5%.
- Involved in the configuration of Azure local and regional cloud network with debian-linux servers.
- Developed a caching mechanism with Redux that decreased API response time, resulting in improvement in overall application performance.
- Created comprehensive documentation for newly implemented features and fixes, facilitating knowledge sharing and onboarding for future interns.
- Implemented security best practices and protocols in API development, ensuring data protection and integrity.
- Applied Entity Framework to enforce data integrity and relationships within the database, reducing inconsistencies and improving data reliability.

VEDA

January 2022 – August 2022

Software Engineer Intern

Kathmandu, Nepal

- Leveraged Kafka and Docker to streamline data processing, boosting efficiency by 10-20ms, enhancing scalability.
- Collaborated to the implementation and optimization of micro-services in Spring and Express, achieving a faster API response and reducing server load by 8%.
- Worked on performance improvements, achieving a modest 5% enhancement through targeted optimizations on SPA.
- Innovated automated testing processes with Jest, Junit, and Selenium increasing test coverage and reducing post-release defects by 6%.
- Refactored the layouts of front-end web app with react and tailwind, increasing 6%-8% of user experience.
- Established and enforced coding standards and best practices within the Node.js and Spring codebases, resulting in a reduction in code defects.
- Utilized Node.js clustering to balance the load across multiple CPU cores, enhancing the application's ability to handle higher traffic volumes in Azure infrastructure service.
- Used Prometheus for real-time data collection and Grafana for dashboards, improving monitoring and issue resolution.

Professional Affiliations

Amazon Web Services Community Talent

December 2023 – Present

- Actively committed in AWS Emerging Talent Community (AWS ETC) since December 2023, contributing to a 15% personal proficiency gain in AWS services.
- Recognized for valuable forum contributions, earning increase in reputation points within AWS ETC.
- Actively participated in AWS ETC meetups and webinars, staying updated on the latest AWS trends, best practices, and emerging technologies.
- Discussed successful AWS best practices, with 40-60 members in participant.

Projects

Random Talk | *React, Socket, Node, Sass, MUI*

- Implemented optimized application in real-time communication, enabling instant responses between users.
- Leveraged Socket protocol for real-time messaging capabilities to ensure efficient and timely interactions, resulting in high-performance data operations.

Inventory Management System | *Spring, Docker, Hibernate, MySQL, Kafka*

- Engineered a personal Inventory Management System, leveraging self-driven learning approach, resulting in a project that boasts a 10% reduction in manual effort through automation.
- Fostered Kafka as a central element, resulting in decrease in data processing through real-time event streaming.

Certifications

- **Become a Full Stack Development** [LinkedIn]
- **IT Project Management PMP** [Sheridan College]
- **Career Essentials in Software Development** [Microsoft x LinkedIn]

Technical Skills

Languages: Typescript, Javascript, Java, C#, C, Python, Bash, SQL

Technologies: React, Entity, Spring-Boot, Bootstrap, ASP.NET, Node, Tailwind, Docker, GitHub/Git, Azure, Jira, Linux, Hibernate, JDBC, MAUI