Dhivo **Gnani**

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Skills

Programming	Java, Kotlin, C#, C++, JavaScript, HTML, CSS
Frameworks	Spring, Hibernate, Android, Anko, Microsoft MVC, Node.js, React.js
Data	Oracle, MySQL, MongoDB
Technology	Git/ SVN / Perforce, Docker, Jira, Jenkins, Kibana

Experience

Oracle, NetSuite · *Kitchener, ON*
Software Developer Intern · *May 2018 - Aug. 2018*

- Gave a tech talk about the advantages of Kotlin to the company. Built a Tic-Tac-Toe android application during the presentation to demonstrate the pros of Kotlin. Implemented the computer player using Minimax algorithm.
- Converted core Java back end services and tests to Kotlin for code sustainability. Demonstrated feasibility of Kotlin usage through a successful 50% conversion of team's source code. This aided in Kotlin becoming an official language of Netsuite.
- Developed back end and added API endpoints for the new Add-on feature in NetSuite's Subscription Billing Application. This feature allowed users to create custom Subscriptions by adding items to predefined Subscription Plans.
- Wrote efficient migrates to update large tables in Oracle databases with required data for the new Add-on feature.
- Determined cause and solution for a critical bug discovered during release testing. Efficiently implemented and integrated fix before customers upgraded their Subscription Billing Management application.

SAP Canada, Hybris · *Montreal, QC*
Software Developer Intern · *Sep. 2017 - Dec. 2017*

- Migrated the e-commerce Order Management web application to React from JSP. This made the user interface testable and easier to maintain.
- Identified and resolved a critical session failover bug, which caused the e-commerce Order Management application to repetitively prompt users for authentication when submitting orders.
- Created Oracle tables and stored procedures for the new Annotation feature in the e-commerce Wish List web application. This feature enabled users to annotate and highlight data in their wish lists.
- Designed server-side web API, which supported full CRUD operation for the new Annotation feature.
- Created bash scripts to automate the deployment of web applications in Docker environments for continuous integration testing. Reduced weekly manual deployment time by 8 hours weekly.
- Integrated and configured Swagger with RESTful APIs to generate static html and interactive documentation used for cross-team development.

RedIron Technologies · *London, ON*
Software Developer Intern · *Jan. 2017 - Apr. 2017*

- Developed a multi-threaded TCP communication service for point of sale systems and payment devices using Netty.
- Developed a priority queuing service for a distributed payment job scheduling system.
- Developed a security service to encrypt and decrypt sensitive transaction data on servers using a RSA implementation.
- Implemented synchronization solutions for critical concurrency bugs found in point of sale systems.
- Designed a standard, testing automation framework to test point of sale systems against mock data provided by stubby services. Developed using .NET framework.

Vision Critical · *Vancouver, BC*
Software Developer Intern · *Jan. 2015 - Dec. 2015*

- Aggregated, processed, filtered and conflated surveying data to generate rich reports used by retailers for client analytical data.
- Integrated D3.js and React with reporting application for data visualization of surveying data.
- Developed back end for the report sharing feature, which enabled users to combine data from multiple reports and highlight key insight.

Education

University of Waterloo · *Waterloo, Canada*
B.A.Sc. in Computer Engineering · *Sep. 2015 - Apr. 2020 (expected)*