

Dhruv A Patel

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Summary

- 4+ years of experience in UI / web / software development using technologies like *React, Redux, Context API, Core Java 8, Spring MVC, .NET Core, PHP, Python, JavaScript, HTML5, CSS/SCSS, MongoDB, MySQL, Oracle GraphQL, Apollo, JUnit, Jest, Enzyme, Git, GitHub.*
- Experience in *Agile* development methodology
- Experience in code quality, *unit test* coverage, *TDD*, *UI* development using *React JS*.
- BA in Information Technology from York University.

Skills

Languages / Frameworks	: <i>Java, .NET, Python, JavaScript, PHP, HTML5, CSS/SCSS, ASP.NET MVC, React, JUnit, /Version Control</i>
Databases	: <i>MySQL, MongoDB/NoSQL, Oracle</i>
Others	: <i>Project Management, Linux, System Admin</i>

Professional Experience

CGI – Consultant (Client – CIBC, (Senior Application Developer))

May 2021 – Present

- Project: Regulatory Counterparty Service (RCS)

Sept 2022 - Present

RCS is designed to be a single source of regulatory counterparty information. It is a distributed system comprising a set of microservices with various components such as REST APIs, Solace Queues, .NET Core, and MS SQL Server.

- Updated the existing UI using React and JavaScript to improve the user interface and enhance user experience.
- Modified existing APIs to facilitate changes made to UI and DB.
- Provided support and updates to the existing Entity Data Model (EDMX) and utilized Entity Framework for efficient data access and manipulation.
- Made critical updates to existing microservices, enabling real-time integration with Solace Queue, and creating new microservices as required.
- Developed and optimized MS SQL stored procedures for efficient database operations.
- Analyzed and tuned database performance using SQL Profiler to ensure optimal system responsiveness and minimize query execution time.
- Utilized various source control systems, such as TFS and Git, to manage versioning and collaboration among team members.
- Worked with Azure DevOps to create and edit build and release pipelines, streamlining the development and deployment process.
- Collaborated with the Release Management Team to support production deployments, ensuring successful and error-free releases.
- Authored comprehensive deployment instructions for the Release Management Team to ensure consistent and accurate deployments.
- Used Toad to create Oracle queries for migrating Data from Legacy CDR to RCS.
- Authored comprehensive deployment instructions for the Release Management Team to ensure consistent and accurate deployments.

- **Project: Entity Management System (EMS)** May 2021 – Sept 2022
EMS is serving as a book of records system responsible for the storage and maintenance on Client data. It is designed with an API-first approach. The system is deployed on Microsoft Azure. EMS is a sophisticated distributed system, using technologies such as React with Kendo, .NET, MS SQL, and Solace Queue.
 - Developed components using React and Kendo UI.
 - Designed and maintained APIs to enable seamless communication between the backend and frontend.
 - Implemented the N-Tier Architecture Data Access Layer, Business Logic Layer, and User Interface (UI), promoting maintainability, scalability, and code reusability.
 - Applied SOLID Principles, Factory, Dependency Injection and Mediator patterns to reduce coupling and ensure a flexible codebase.
 - Utilized LINQ to Objects and LINQ to SQL with Entity Framework Core for efficient object-relational mapping.
 - Utilized FluentValidation package in .NET to implement robust API validation, ensuring data integrity.
 - Developed and maintained custom NuGet Packages for the common Data Access Layer and Azure token service, improving code reusability.
 - Employed Postman to test APIs, ensuring their functionality and reliability.
 - Leveraged Azure Utility Functions to obtain token services and authorize APIs securely.
 - Safeguarded sensitive data by moving secrets to Azure Key Vault.
 - Implemented Application Insights in Azure to capture application logs, allowing for efficient monitoring and issue detection.
 - Utilized the Azure Kudu console to explore logs and configuration settings for different environments, facilitating debugging and troubleshooting.

Knayo Technologies - Software Developer

Toronto, ON

May 2019 – May 2021

- Developed, designed, and launched a visitor management system.
- Communicated with clients to collect requirements and described product features.
- Analyzed requirements and designed the process flow of the system.
- Developed the application using *PHP* and *MySQL* database.
- Developed an E-commerce web app for an organic oils brand - wooden-churner.herokuapp.com – using *React*, *Firestore* to store shop data, implemented user authorization and sign-in with google using *Firebase*, *Stripe API*
- Used *redux* to maintain the state of the app in a single immutable state tree, used *redux saga* to manage side effects.
- Used *react hooks* to convert class components to functional components.
- Performed *unit testing*, and headless browser testing with *Jest* and *Enzyme*.
- Involved in enhancing desktop applications using *core Java* technologies.
- Got exposure in enhancing *RESTful API* using *Spring MVC* for couple of existing APIs.
- Developed efficient algorithms and utilized *Java collections* such as Linked Lists, Queues and HashMap.
- Utilized *Git* and *GitHub* for version control management.

Education

York University

Toronto, ON

September 2017 – December 2020

- BA in Information Technology

Centennial College

Toronto, ON

September 2015 – April 2017

- BA in Information Technology

References Available Upon Request