Dhruv A Patel

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Summary

- Experienced Full Stack Developer with over 4 years of proven expertise in Agile software development.
- Proficient in delivering high-quality code, ensuring robustness and maintainability through comprehensive unit test coverage and Test-Driven Development (TDD) practices.

Skills

Languages / Frameworks /Version Control	:	*Java Spring Boot, Core Java 8, Spring MVC, Sonar, Mockito, React, Redux, PHP, Python, JavaScript, HTML5, CSS/SCSS, GraphQL, Apollo, .Net Core, JUnit, Jest, Enzyme, Git, GitHub, BitBucket*
Databases	:	*MySQL, MongoDB/NoSQL, Oracle*
Cloud Services	:	*Microsoft Azure*

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 to improve the user interface and enhance user experience.
  - Modified existing APIs to facilitate changes made to UI and DB.
  - Updated Entity Data Model (EDMX) and utilized Entity Framework for efficient data access and manipulation.
  - Upgraded microservices for Solace Queue integration, enabling RT message processing from new EMS system.
  - Developed and fine-tuned MS SQL stored procedures, improving the query performance.
  - Analyzed and tuned database performance using SQL Profiler to minimize query execution time.
  - Utilized Git and TFS for version control and collaboration.
  - Created Azure DevOps pipelines, reducing deployment time and ensuring consistent, error-free releases.
  - Authored instructions and collaborated with the Release Management Team to support production deployments, ensuring 100% error-free releases and minimal downtime.
  - Utilized Toad to create Oracle queries, successfully migrating 10,000+ legacy records to RCS.

- **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, promoting code reusability, and reducing redundant code.
- Worked with Azure DevOps build and release pipelines, streamlining the development and deployment process.
- Employed Postman to test APIs, ensuring their functionality and reliability.
- Leveraged Azure Utility Functions to obtain token services and authorize APIs securely.
- Enhanced security by moving sensitive data to Azure Key Vault, reducing potential data breaches.
- Implemented Application Insights in Azure for efficient monitoring and issue detection.
- Utilized Azure Kudu console for debugging and decreasing issue resolution time.

Knayo Technologies - Software Developer   May 2019 – May 2021

- Led creation and launch of visitor management system, gathering client requirements and managing.
- Designed system processes, utilizing PHP and MySQL for development and deployment.
- Developed E-commerce web app with React, Firebase, and Stripe API for streamlined user experience and secure transactions.
- Implemented state management with redux and redux saga, leveraging react hooks for component conversion.
- Conducted thorough unit testing and Jest/Enzyme headless browser testing to ensure app reliability.
- Enhanced desktop applications using core Java technologies, optimizing performance and user experience.
- Upgraded RESTful API with Spring MVC, improving functionality and scalability.
- Engineered efficient algorithms and leveraged *Java collections* for optimized data handling.

Education

York University   Sept 2017 – Dec 2020

- BA in Information Technology

Centennial College   Sept 2015 – April 2017

- Diploma in Software Engineering

References Available Upon Request