Dhruv Patel - Toronto ON

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SUMMARY

- 4+ years of experience as **full stack software developer** in banking/finance domain with expertise in variety of programming languages, frameworks, and databases to deliver high-quality, scalable, secure solutions.
- Proficient in producing robust, maintainable code with comprehensive unit test coverage and Test-Driven Development (TDD).
- Experience in implementing cloud services, optimizing applications for efficient performance, CI/CD processes, and version control.
- Working experience in Agile development methodology.

SKILLS

CLOUD SERVICES: AWS, Microsoft Azure (Azure DevOps, Function app, Key Vault, Application Insights, Active Directory)

LANGUAGES: Spring boot, Core Java 8, C#, Python, PHP, JavaScript, HTML5, CSS/SCSS

FRAMEWORKS: React, Redux, .Net Core, ASP.NET, GraphQL, Apollo, J2EE, MERN

VERSION CONTROL: Git, GitHub, Bitbucket

DATABASES: MySQL, MongoDB/NoSQL, Oracle

TESTING: Junit, Jest, Enzyme, Sonar

PROFESSIONAL EXPERIENCE

CGI, Toronto, ON May 2021 – Nov 2023
CONSULTANT – CIBC

Project RCS

Regulatory Counterparty Service (RCS) is a distributed system designed to be a single source of regulatory counterparty information for downstream regulatory systems.

Tech Stack: React, .NET Core, Solace Queues, MS SQL Server and Microsoft Azure.

- Updated the existing UI and made it responsive using React JS to improve the user interface and enhance user experience.
- Reduced UI load times by implementing custom pagination logic for Kendo Grid.
- Manipulated DOM in React for dynamic UI updates, employing state management and lifecycle methods to ensure efficient rendering.
- Modified existing RESTful APIs to facilitate changes made to UI and DB.
- Enhanced existing Entity Data Model (EDMX) and utilized Entity Framework for efficient data access and manipulation.
- Made critical updates to existing/new microservices, enabling real-time integration with Solace Queue.
- Developed and optimized MS SQL stored procedures for efficient database operations.
- Improved database performance using SQL Profiler to ensure optimal system responsiveness and minimize query execution time.
- Proficient in source code version controlling tools like TFS and Git.
- 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.
- Used Toad to create Oracle queries for migrating Data from Legacy system to RCS.

Project EMS

Entity Management System (EMS) is a sophisticated distributed system responsible for the storage and maintenance of Capital Markets client data. It is designed with an API-first approach.

Tech Stack: React, .NET Core, Solace Queues, MS SQL Server and Microsoft Azure.

- Developed new pages and components with responsive UI using React JS and Kendo UI components.

- Implemented pagination in React using Kendo UI, optimizing server performance by fetching records based on total count, page number, and grid display settings.
- Managed project dependencies using npm and maintained package.json to ensure efficient installation, version control, and dependency management in React applications.
- Designed and implemented RESTful APIs to enable seamless communication between the backend and frontend components.
- Implemented the N-Tier Architecture Data Access Layer, Business Logic Layer, and User Interface (UI), promoting maintainability, scalability, and code reusability.
- Applied Mediator, Factory, and Dependency Injection patterns to reduce coupling and ensure a flexible codebase.
- Utilized LINQ to Objects and LINQ to SQL for efficient object-relational mapping.
- Utilized FluentValidation package in .NET to implement robust API validation, ensuring data integrity.
- Developed and maintained a NuGet Package for the common Data Access Layer and Azure token service, improving code reusability.
- Expertise in Postman to test APIs, ensuring their functionality and reliability.
- Leveraged Azure Functions to obtain through OAuth2 and validate Bearer token to authorize APIs securely.
- Implemented custom authentication layer to give access to downstream systems.
- Safeguarded sensitive data used for API authorization by utilizing Azure Key Vault.
- Worked with Azure DevOps for streamlining CI/CD process.
- Implemented Application Insights in Azure to capture application logs, allowing for efficient monitoring and issue detection.
- Utilized the Kudu console to explore logs and configuration settings for different environments, facilitating debugging and troubleshooting.
- Prepared comprehensive deployment instructions for the Release Management.

Knayo Technologies, Toronto, ON   May 2019 – May 2021
SOFTWARE DEVELOPER

- Successfully designed and launched a bespoke visitor management system, reducing check-in time and improving security, resulting in increased client satisfaction and a contract extension for future enhancements and support.
- Boosted sales and customer retention for a startup by developing a secure, user-friendly e-commerce web app, utilizing React, Firebase, Stripe API, Redux, Hooks, providing a reliable platform for secure transaction and efficient data handling.
- Undertook Jest/Enzyme testing for improved performance & reliability.
- Optimized data handling using Java collections and efficient algorithms, boosting system performance.

CERTIFICATIONS

Microsoft AZ 204 - Developing Solutions for Microsoft Azure**,** Nov 2023

EDUCATION

BA – Information Technology, York University, 2017 - 2020
Diploma in Software Engineering, Centennial College, 2015 – 2017