Dhruv Patel - Toronto ON

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SUMMARY

- 5+ years of experience as **full stack software developer** in banking/finance domain with expertise in variety of programming languages, UI frameworks (Typescript/JavaScript), 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 performance, CI/CD processes, and version control.
- Working experience in Agile development methodology.

SKILLS

LANGUAGES: Core Java, C#, Python, PHP, TypeScript, JavaScript, HTML5, CSS/SCSS	**FRAMEWORKS:** Spring Boot, ReactJS, Redux, .Net Core, ASP.NET, GraphQL, Apollo, J2EE, MERN, Spacy, Rasa
CLOUD SERVICES: AWS, Microsoft Azure (DevOps)	**VERSION CONTROL:** Git, GitHub, Bitbucket
DATABASES: MySQL, MongoDB/NoSQL, Oracle	**TESTING:** JUnit, Jest, Enzyme, Sonar

PROFESSIONAL EXPERIENCE

ADP Toronto, ON   Sept 2024 – Current
FULL STACK SOFTWARE DEVELOPER

- Developed and maintained UI components using ReactJS/NextJS, and NPM, along with backend API development using .NET C# for various payroll-related applications
- Involved end-to-end in the design and implementation of multiple RESTful microservices using Spring Boot and JPA.
- Developed unit tests with MSTest for code reliability and UI testing using Jest and Enzyme to ensure component functionality.
- Optimized existing architecture by providing a new design approach based on SOLID principles, DRY (Don't Repeat Yourself) principle, and modular architecture, mentoring and training team members on best practices for maintainability and scalability.
- Written complex SQL queries and optimized in Oracle and MySQL
- Created a chatbot Proof of Concept (POC) utilizing Python, React, Spacy, and the Rasa open-source LLM, delivering a functional prototype for user interaction.
- Agile team member – end to end CI CD approach using JIRA, Jenkins, TFS/Bitbucket, Docker, Azure Cloud.

5Guru Inc., Toronto, ON   Jan 2024 – Sept 2024
FULL STACK SOFTWARE DEVELOPER

- Managed and developed multiple short-term projects, ensuring timely delivery and alignment with business requirements.
- Developed microservices using Java, Spring Boot, and Oracle, and implemented UI components with ReactJS and React Redux.
- Involved in writing JUnit test cases using Mockito following TDD approach.
- Written complex SQL queries and optimized queries.
- Followed CI/CD – Bitbucket source control, Jenkins build, image/jar on JFrog and deployment on Azure.

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, Microsoft Azure, Git/TFS, Toad for SQL Queries

- Updated the existing UI using ReactJS for better user experience.
- Optimized UI performance by implementing custom pagination logic for Kendo Grid, reducing load times and enhancing user experience.
- Manipulated the DOM in React for dynamic UI updates, utilizing Redux for state management and lifecycle methods for 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 changes 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.
- Utilized Azure DevOps to create and manage build and release pipelines.
- Worked with Release Management Team to support production deployments and involved in post-deployment validations for error-free releases.

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.

- Designed and implemented RESTful APIs / microservices using C# .Net and involved in day-to-day development activity to accommodate new functionality and updating existing functionality.
- Developed UI components/pages using ReactJS and Kendo UI.
- Involved in UI Performance improvement by using Redux with React, managed npm versions and dependencies for stable build.
- 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 a NuGet Package for the common Data Access Layer and Azure token service, improving code reusability.
- Leveraged Azure Functions to obtain through OAuth2 and validate Bearer token to authorize APIs securely.
- Safeguarded sensitive data used for API authorization by utilizing Azure Key Vault.
- 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

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