

DEVLINA BHATNAGAR

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CAREER OBJECTIVE:- To contribute as a Senior Full-Stack Development Engineer & Tech Lead in an organization, leveraging modern technologies to deliver scalable solutions. Passionate about full software lifecycle development, learning, mentorship, and leadership to drive individual and organizational success through technical excellence and strategic product growth.

Educational Qualifications:

B.Tech in Information Technology / Computer Science (2014 – 2018)

Work History:

Companies	Designation	Role & Responsibility
INFOSYS	Senior Software Systems Engineer	Fullstack software development, UI design, backend development, Database development, APIs, Testing
PRIMUS	Senior Software Engineer	Frontend development, Backend development, Database design and development, Testing
FIDELITY NATIONAL FINANCIAL (FNF)	Senior Software Developer	Fullstack software development, API development, Database development, testing, Backend and frontend development, UI design
CLOUDBC LABS (CBC)	Senior Software Developer	UI development, Backend development, API development, database development, testing
NESS DIGITAL ENGINEERING	Senior Software Development Engineer	Fullstack application development, API development, database design and development, Frontend development, Backend development

Employment History:

Overall 7.5 years of experience in Fullstack Application Development, Software Design and Development, Database development, API Development, Backend and Frontend development, testing.

- Have worked in Infosys with .NET Framework, .NET Core, .NET MVC, ADO.NET, ASP.NET, LINQ, Entity Framework, SQL, SQL Server, Oracle, OOPS Concepts, C#, MVC, WEB APIs, REST APIs, middleware, authentication, authorization, logging, caching, HTML, CSS, Javascript, Bootstrap, Typescript, React, Jquery, Redux, Angular, AngularJS, NodeJS, ReactJS, Figma, Responsive Web Design, Spring Hibernate, J2EE, JDBC, JSP, JAVA, Core Java, Java SE, Java EE, Spring Framework, Spring Boot, Spring MVC, Python, Django, Flask, FastAPI, TFS, GIT, GITHUB.

- Have worked in Primus in Angular, React, Typescript, HTML, CSS, Redux, ReactJS, JQuery, Javascript, Bootstrap, React, ASP.NET, ADO.NET, Entity Framework, LINQ, .NET Core, .NET MVC, C#, JWT, OAUTH, Authentication, Authorization, unit testing, Middleware, Python, Django, Flask, FastAPI, SQLAlchemy, SQL, SQL Server, ORACLE, JSON, XML, JAVA, Core Java, Spring Boot, Spring MVC, Hibernate, JSP, JPA, JDBC, Java EE, Java SE, Junit, GIT.
- Have worked with FNF in C#, Java, Core Java, Spring Boot, Spring MVC, Spring Security, JWT, OAUTH, Hibernate, Python, .NET, .NET Core, .NET MVC, JSON, XML, APIs, REST API, WEB API, SQL, SQL Server, LINQ, Oracle, HTML, CSS, Javascript, Typescript, Bootstrap, Angular, ReactJS, AngularJS, NodeJS, Django, Flask, FastAPI, ASP.NET, ADO.NET, ENTITY FRAMEWORK, xUnit, Nunit, Moq, Mockito, GIT, GITHUB.
- Have worked with CBC in Angular, AngularJS, React, Redux, JQuery, Typescript, HTML, CSS, Javascript, Figma, Responsive Web Design, Typescript, AngularJS, NodeJS, SQL, SQL Server, LINQ, Oracle, Python, Django ORM, Flask, FastAPI, SQLAlchemy, Java, Core Java, Spring Framework, Spring Boot, Spring MVC, Hibernate, C#, .NET, Nodejs, .NET Framework, .NET Core, .NET MVC, REST API, WEB API, JSON, XML, ADO.NET, ASP.NET MVC, Entity Framework Core, Middleware, JWT, Authentication, Authorization, logging, caching, GIT.
- Have worked with NESS DIGITAL ENGINEERING in HTML, CSS, Javascript, Typescript, Bootstrap, Figma, Responsive Web Design, Angular, AngularJS, Nodejs, React, Reactjs, Redux, Context-API, Python, Django ORM, Flask, FastAPI, SQLAlchemy, Java, J2EE, JSP, JDBC, JPA, Java EE, Java SE, Spring MVC, Spring Boot, Hibernate, Junit, C#, .NET, .NET CORE, .NET MVC, middleware, authentication, authorization, logging, caching, ASP.NET, ADO.NET, Entity Framework, LINQ, SQL, SQL SERVER, Oracle, MVC, WEB API, REST API, JSON, XML, GIT, GITHUB.

Domain / Technical Expertise:

Programming Languages- C#, Python, Java, Core Java, C++, JavaScript, TypeScript

Backend Technologies & Frameworks-

.NET Ecosystem: C#, .NET framework, .NET Core, .NET MVC, ADO.NET, ASP.NET, ASP.NET Core, Entity Framework, Entity Framework Core, LINQ, ASP.NET Core, ASP.NET CORE WEB API, ASP.NET MVC, WEB API, REST API, JSON, XML, Nunit, xUnit, Moq, Mockito, OOPS concepts, SOLID principles, Design Patterns, Software Architecture (Monolithic, Microservices, N-Tier, Layered), Software Design

Java Ecosystem: Java, Core Java, Java SE, Java EE, J2EE, JSP, Java Servlets, Java Applets, Java Web Services, JDBC, Spring Framework, Spring Boot, Spring MVC, Spring Data JPA, Hibernate, Junit, OOPS concepts, SOLID principles, Design Patterns, Software Architecture (Service-Oriented, Client-Server, Event-Driven), Software Design

JavaScript Runtime & Backend Frameworks: Node.js (asynchronous programming, RESTful API integration)

Python Frameworks: Python, Django, Flask, FastAPI, applying OOPS and SOLID design principles with modular and scalable architecture patterns

Test Principles: TDD, BDD

Testing Frameworks: Nunit, xUnit, Moq, Mockito, Junit

RESTful Services: Web API, REST API development, JSON/XML data handling

Frontend Technologies- HTML5, CSS3, JavaScript, TypeScript, jQuery, Bootstrap, Responsive Web Design

Modern JS Frameworks: Angular, AngularJS, React, Reactjs

Databases- SQL Server, Oracle

Version Control: Git, GitLab, GitHub, TFS (Team Foundation Server)

Agile & Project Management: Agile, Scrum, Kanban, Jira

Tools & IDEs- Visual Studio, VS Code, Eclipse, IntelliJ IDEA, PyCharm

API Tools: Postman, Swagger

Project : PACKXPRESZ APP(INTERNAL)

PackXprez Application: Web App for Delivery and Shipment of Goods and Services to customers or End Users.

TECHNOLOGIES: .NET, .NET CORE, ENTITY FRAMEWORK, OOPS, SQL, SQL SERVER, NODEJS, ANGULARJS, MVC, HTML, CSS, JAVASCRIPT, JQUERY, ANGULAR, REACT, TYPESCRIPT, JSON, XML, REST APIs, WEB APIs, ASP.NET, ADO.NET, C#

Responsibilities:

- Built complex SQL scripts, queries, views, and stored procedures from scratch in SQL Server Management Studio.
- Developed backend using .NET Core, C#, Entity Framework Core, ADO.NET, and LINQ for data interaction.
- Designed MVC-based architecture with ASP.NET technologies and implemented server-side rendering.
- Built reusable views, partial views, and handled client/server state via session, cookies, and view state.
- Developed responsive frontend with HTML5, CSS3, JavaScript, jQuery, Bootstrap, Angular validations.
- Used object-oriented JavaScript, JSON, jQuery, DOM, and AJAX for dynamic features like messaging and autocomplete.
- Integrated Redux for global state, using middleware like redux-thunk, redux-saga, and redux-promise.
- Implemented React components with ES6, JSX, hooks, forms, events, conditionals, and router logic.
- Built and consumed RESTful Web APIs via Node.js, Angular, and AJAX calls using JSON format.
- Ensured full-stack integration between UI and database with seamless validations across layers.
- Managed Agile development with daily task prioritization and collaboration across IT stakeholders.
- Used TFS for version control, task tracking, reporting, and maintained all development documentation.

Project : INTEGRATED FULLSTACK ADMINISTRATION PORTAL

TECHNOLOGIES: .NET, .NET MVC, .NET FRAMEWORK, ENTITY FRAMEWORK, OOPS, SQL, SQL SERVER, C#, APIs, REST APIs, WEB API, ADO.NET, ASP.NET, HTML, CSS, JAVASCRIPT, TYPESCRIPT, ANGULAR, REACTJS, RESPONSIVE WEB DESIGN, BOOTSTRAP, SQL, SQL SERVER, GIT, TEAMCITY

Responsibilities:

- Applied OOPS concepts and developed N-tier applications using C# .NET and serviced components in Visual Studio.
- Created and consumed Web APIs and web services using .NET MVC and .NET Framework.
- Designed database schema and implemented SQL queries, subqueries, views, joins, triggers, CTEs, functions, and procedures.
- Built backend logic in C# using ADO.NET, multi-threading, and business layers for data access and manipulation.
- Populated presentation layer with controls like datagrid and datalist for record display and interaction.

- Developed full SQL database scripts from scratch in SQL Server Management Studio.
- Wrote optimized SQL for large data extraction, transformation, and analysis.
- Built responsive web UI using HTML5, CSS3, Bootstrap, Angular, ReactJS, JavaScript, and TypeScript.
- Developed RESTful web services and integrated with front-end frameworks using TypeScript.
- Participated in full SDLC with Agile methodology including requirement analysis and technical spec writing.
- Conducted code reviews, enforced coding standards, and addressed performance challenges proactively.
- Trained on Git, TeamCity, Selenium, and delivered high-quality, timely solutions with creative problem-solving.

Project: INTEGRATED BUSINESS PROCESS PORTAL

TECHNOLOGIES: JAVA, CORE JAVA, OOPS, NODEJS, ANGULARJS, MVC, HTML, CSS, JAVASCRIPT, JQUERY, ANGULAR, REACT, TYPESCRIPT, JSON, XML, SPRING, SPRING BOOT, SPRING MVC, J2EE, JSP, JPA, JDBC, HIBERNATE, REST APIs, WEB APIs, SQL, SQL SERVER, GIT

Responsibilities:

- Applied core OOPS concepts (Abstraction, Encapsulation, Inheritance, Polymorphism) and followed Agile with daily scrums to track progress and goals.
- Involved in the full SDLC lifecycle including requirement gathering, design, development, testing, deployment, and maintenance.
- Built responsive, cross-browser compatible UIs using HTML, CSS, JavaScript, Angular, React, Bootstrap, JQuery, and media queries.
- Enhanced frontend with SPA features in AngularJS using directives, \$scope, \$resource, interceptors, ng-router, and custom components.
- Developed search engine, grids, sliders, checkbox directives, and handled client-side validations using jQuery and object-oriented JavaScript.
- Created and consumed RESTful APIs using Node.js for backend services and Spring MVC with Hibernate for Java microservices.
- Developed UI models using JSP, servlets, Spring MVC components including Controllers, ViewResolvers, and Models.
- Implemented Java constructs like datatypes, classes, methods, inheritance, collections (ArrayList, HashMap), threads, exceptions, iterators, and file handling.
- Designed J2EE architecture with design patterns such as Singleton, Factory, Abstract Factory, DTO, DAO, and Service Locator.
- Wrote complex SQL logic in SQL Server using joins, subqueries, views, stored procedures, triggers, scalar/table-valued/user-defined functions.
- Participated in architecture reviews, documented software designs, and coordinated with release teams to deploy builds.
- Conducted peer code reviews, design reviews, and maintained high coding standards across frontend and backend modules.

Project : CLIENT:EXPERIAN

Fullstack Web Application project for Experian client

TECHNOLOGIES: .NET, C#, .NET CORE, ASP.NET, MVC, WEB API, REST API, JSON, XML, NODEJS, ENTITY FRAMEWORK, ADO.NET, SQL, SQL SERVER, JQUERY, JAVASCRIPT, TYPESCRIPT, ANGULAR, REACT, BOOTSTRAP, HTML, CSS

Responsibilities:

- Followed Agile methodology with daily Scrum calls and worked through full SDLC phases: requirement gathering, analysis, design, development, and implementation.
- Designed SQL Server database from scratch, developing stored procedures, views, triggers, cursors, scalar/table-valued/user-defined functions.
- Built backend using .NET Core, Entity Framework Core, and C#, implementing the MVC pattern across all modules.
- Developed server-side validations using ASP.NET MVC and model-level validation in ASP.NET Core Web API.

- Handled frontend client-side scripting and validations using jQuery and JavaScript for dynamic interactions.
- Created rich UI using HTML, CSS, TypeScript, Bootstrap, Angular, and React with form validations and responsive design.
- Developed RESTful APIs using Node.js, integrating moment and date-fns packages for UTC timestamp formatting.
- Managed package dependencies and configurations with npm and package.json for Node.js backend.
- Implemented authentication and authorization using JSON Web Tokens (JWT) and role-based access controls.
- Maintained source control, work tracking, and reporting through Team Foundation Server (TFS).
- Prepared both positive and negative test cases based on requirements to ensure feature completeness.
- Delivered secure, scalable web modules with coordinated efforts across backend, frontend, and database layers.

Project : CLIENT: UBS

Fullstack Web Application project for UBS client

TECHNOLOGIES: .NET, C#, .NET MVC, ASP.NET, WEB API, REST API, JSON, XML, NODEJS, ENTITY FRAMEWORK, ADO.NET, SQL, ORACLE, JQUERY, JAVASCRIPT, TYPESCRIPT, ANGULAR, REACT, BOOTSTRAP, HTML, CSS, LINQ, REST, SOAP, TFS

Responsibilities:

- Followed SDLC and Agile methodology with story-based task tracking and sprint iterations.
- Developed backend using .NET Framework, .NET MVC, ADO.NET, and C# following object-oriented principles.
- Created and executed SQL scripts in TOAD for Oracle including complex joins, CTEs, triggers, indexes, and packages.
- Built frontend using HTML, CSS, JavaScript, Angular, React, and Typescript, styled with Bootstrap.
- Managed state using ASP.NET features: view state, cookies, session state, and application state.
- Structured the solution using n-tier architecture with business logic, service, and data access layers.
- Implemented the business layer using abstract classes, interfaces, LINQ to Objects, LINQ to SQL, and stored procedures.
- Built and consumed REST and SOAP web services for XML/JSON data transfer across components.
- Applied design patterns including Factory, Iterator, Proxy, and Decorator to enhance modularity and scalability.
- Used Entity objects like Data Reader, DataSet, and Data Adapter for data manipulation and access.
- Managed tasks, version control, and reporting using Team Foundation Server (TFS).
- Participated in client meetings to gather feedback, review features, and implement enhancements collaboratively.

Project: Domain Event Service (DES)

The purpose of the Domain Event Service (DES) is to allow create new application configuration on event based in selected topic and get all applications in home page. Admin users can filter, edit or remove any of the applications.

TECHNOLOGIES: .NET, C#, .NET MVC, ASP.NET, WEB API, REST API, JSON, XML, NODEJS, ENTITY FRAMEWORK, ADO.NET, SQL, ORACLE, JQUERY, JAVASCRIPT, TYPESCRIPT, ANGULAR, REACT, BOOTSTRAP, HTML, CSS, LINQ, REST, SOAP, GIT

Responsibilities:

- Followed Agile and Scrum methodologies, completing tasks as per SDLC phases for full application development.

- Designed and developed dynamic web pages using HTML, CSS, JavaScript, Angular, and React.
- Built Angular components such as home, header, login, and logout, using structural and attribute directives.
- Applied Angular routing to enable seamless navigation between different UI modules.
- Created reusable TypeScript components and services for consuming REST APIs with proper form validations.
- Developed responsive design layouts and integrated REST web services for data-driven interactions.
- Handled backend logic using .NET and C#, including server-side validations via ASP.NET.
- Performed client-side scripting using JavaScript to enhance interactivity and validations.
- Designed and maintained database schema with stored procedures, scalar/multivalued functions, indexing, and SQL queries.
- Used Git for project setup, version control, snapshotting, branching, merging, and workflow management.
- Maintained technical documentation covering architecture, feature specs, and workflows.
- Collaborated closely with team members and clients to understand requirements and deliver aligned solutions.

Project: Dynamic Template System (DTS)

The purpose of the Dynamic Template Service (DTS) is to allow admin users to create various types of templates (Email, Document, Telephone Call Scripts, SMS Messages, Excel) and then allow end users to merge domain data into the templates. Applications can open DTS GUI in Admin or Merge mode. DTS is application agnostic, i.e., not differentiating on the basis of source, destination, Internet content, application, service, or device, or class of Internet content, application, service or device.

TECHNOLOGIES: .NET, C#, .NET CORE, ASP.NET, MVC, WEB API, REST API, JSON, XML, NODEJS, ENTITY FRAMEWORK, ADO.NET, SQL, SQL SERVER, JQUERY, JAVASCRIPT, TYPESCRIPT, ANGULAR, REACT, BOOTSTRAP, HTML, CSS, MATERIAL UI, GIT, XUNIT, NUNIT

Responsibilities:

- Participated in full SDLC by analyzing business requirements and understanding workflow to implement the project.
- Followed Agile with daily Scrum meetings to track progress and ensure timely delivery.
- Applied Object-Oriented Design (OOD), Object-Oriented Analysis (OOAD), and MVC design principles.
- Built frontend using Angular, TypeScript, Angular Material, HTML, CSS, and Bootstrap.
- Implemented Angular elements, routing, and directives; handled JSON data binding, sorting, filtering, and pagination.
- Developed reusable UI components including admin config, email composer, loaders, headers, and editors.
- Designed backend in ASP.NET MVC with controllers, views, models, and used the ViewModel pattern for data rendering.
- Built backend logic using ADO.NET and C# for data retrieval, manipulation, and persistence in SQL Server.
- Created SQL database scripts with stored procedures, triggers, scalar functions, and table-valued/user-defined functions.
- Wrote client-side scripts in JavaScript and handled validations on both client and server sides.
- Implemented unit testing using xUnit and dotnet test for validating application functionality.
- Used Git for version control, project setup, branching, merging, updates, and collaborated with clients and teams on architecture and functionality.

Project: Email Service

The purpose of the BSI-IT-SMTP Email Service is to provide applications or services a headless Exchange client to send and receive email for the application or service. Allows to create new application configuration to enable different email address user can give email, domains, username and password and also to get all applications in home page. Admin user can filter, edit and view the applications.

TECHNOLOGIES: .NET, C#, .NET CORE, ASP.NET, .NET MVC, WEB API, REST API, JSON, XML, NODEJS, ENTITY FRAMEWORK, ADO.NET, SQL, SQL SERVER, JQUERY, JAVASCRIPT, TYPESCRIPT, ANGULAR, REACT, BOOTSTRAP, HTML, CSS, LINQ, GIT

Responsibilities:

- Understood all phases of SDLC and followed Agile methodology throughout development.
- Applied object-oriented programming principles including Inheritance, Abstraction, Encapsulation, and Polymorphism.
- Designed frontend with HTML, JavaScript, Material UI components, Bootstrap, and CSS for responsive layouts.
- Built and styled components using props, refs, directives, pagination, sorting, filtering, and Angular features.
- Created and managed TypeScript classes, ngModules, services, interfaces, and reusable components.
- Developed backend using .NET MVC, ADO.NET, and C# with layered architecture (presentation, business, data access).
- Retrieved and manipulated data using data readers, data sets, views, and grids in backend.
- Designed SQL Server schema and implemented stored procedures, joins, triggers, indexing, scalar/table-valued functions.
- Developed RESTful services using ASP.NET Web API with full support for HTTP verbs (GET, POST, PUT, PATCH, DELETE).
- Performed server-side validations in ASP.NET MVC and client-side scripting with JavaScript.
- Configured environments (QA, UAT, PROD, DEV) and built components like application-list, loader, header, and router.
- Wrote unit tests, used Git for version control, branching, merging, and collaborated with team/client for smooth delivery.

Project: Widgets Analytics App

Analytics Application is a project demonstrating data analytics and visualization through an in-house widget framework. This application intends to assist in making informed decisions by displaying data in an easy-to-understand layout using the in-house widget framework, which offers various customizable widgets to construct charts, tables, and texts, among others. This project intends to be scalable and capable of handling massive datasets and providing real-time analytics. Overall, the program is an effective tool for extracting insights from data and making data-driven decisions.

TECHNOLOGIES: .NET, C#, .NET CORE, ASP.NET, MVC, WEB API, REST API, JSON, XML, NODEJS, ENTITY FRAMEWORK, ADO.NET, SQL, SQL SERVER, JQUERY, JAVASCRIPT, TYPESCRIPT, ANGULAR, REACT, BOOTSTRAP, HTML, CSS, GIT

Responsibilities:

- Followed Agile/Scrum methodology to deliver software iteratively and continuously.
- Developed frontend using HTML, CSS, JavaScript, Angular, and React with responsive layouts via Bootstrap.
- Created Angular components, directives, services, and pipes with routing for multi-view navigation.
- Built UI modules like home, header, application components with environment configs for dev, QA, UAT, and prod.
- Implemented property/event binding, styling, pagination, sorting, and filtering of JSON data dynamically.
- Built reusable React components using props, states, refs, and hooks for lifecycle and state management.
- Utilized React UI libraries (Material UI, Ant Design, Bootstrap) for building responsive, high-quality interfaces.
- Wrote JavaScript for client-side scripting and used ASP.NET for server-side validation and processing.
- Applied core JavaScript concepts: polymorphism, promises, value/reference types, recursion, map, reduce, and filter.
- Developed backend using .NET MVC, C#, Entity Framework Core, implementing layered architecture.
- Used Entity Framework (Code First, Model First, DB First) with annotations and views for data persistence.
- Designed and developed SQL Server schema, queries, procedures, functions, and maintained version control with Git.

Project: ENTERPRISE DIGITAL OPERATIONS PORTAL

TECHNOLOGIES: PYTHON, DJANGO, FLASK, FASTAPI, SQL, SQLALCHEMY, REST API, WEB API, JSON, HTML, CSS, JAVASCRIPT, TYPESCRIPT, ANGULAR, REACT, BOOTSTRAP, JQUERY, GIT

Responsibilities:

- Understood all SDLC phases and followed Agile methodology for end-to-end software design, development, and deployment.
- Designed and developed full-stack modules integrating robust backend APIs with interactive frontend interfaces.
- Built backend services and RESTful APIs using Python frameworks — Django ORM for core modules, Flask for microservices, and FastAPI for high-performance endpoints.
- Utilized SQLAlchemy for ORM mapping and SQL for database operations including stored procedures, triggers, joins, subqueries, and CTEs.
- Created Django and Flask views with FastAPI routes to serve dynamic, interactive, and secure web data.
- Built Python scripts for data ingestion, JSON parsing, and integration workflows between backend services and SQL databases.
- Designed responsive frontend interfaces using Angular and React with TypeScript, Bootstrap, Material Design, HTML, CSS, and JavaScript.
- Implemented routing, state management, and reusable UI components in Angular and React for seamless navigation and data handling.
- Integrated Django, Flask, and FastAPI backends with Angular and React frontends using REST APIs for consistent data flow.
- Worked extensively with Python's data structures, file handling, exception management, and module reusability.
- Performed unit testing to validate API endpoints, business logic, and data integrity across all modules.
- Used Git for version control, feature branching, and merging, collaborating closely with QA and cross-functional teams to ensure timely, high-quality delivery.

Project: CREinHERE PLATFORM

The CREinHERE Platform is an advanced real estate intelligence and collaboration system designed to streamline property data management, deal tracking, and client engagement. It empowers brokers, investors, and analysts with real-time insights, secure access, and an interactive interface for data-driven decision-making.

TECHNOLOGIES: PYTHON, DJANGO ORM, FLASK, FASTAPI, REST API, WEB API, JSON, SQL, SQLALCHEMY, HTML, CSS, JAVASCRIPT, TYPESCRIPT, BOOTSTRAP, ANGULAR, REACT, GIT

Responsibilities:

- Designed and developed a full-stack real estate intelligence platform to manage property data, client interactions, and deal analytics.
- Built backend microservices using Python frameworks — Django ORM for data modeling, Flask for lightweight APIs, and FastAPI for high-performance REST endpoints.
- Implemented REST and Web APIs using JSON for secure and structured data exchange between backend and frontend layers.
- Utilized SQLAlchemy for ORM mapping, enabling efficient query handling, relational joins, and schema migrations in SQL databases.
- Designed responsive UI interfaces using Angular and React with TypeScript, HTML, CSS, Bootstrap, and modern design principles.
- Implemented state management and session handling for real-time user interaction, persistent data flow, and multi-role access.
- Integrated user authentication and authorization flows with token/session-based mechanisms for secure

platform usage.

- Developed reusable Angular and React components with dynamic routing, form validations, and API integrations.
- Configured logging and caching mechanisms to monitor service performance and enhance API response times.
- Applied responsive web design principles to ensure consistent user experience across devices and browsers.
- Managed source control using Git with branching, merging, and pull requests for team collaboration and code reviews.
- Followed Agile methodology, performing sprint planning, testing, and cross-functional coordination to deliver scalable and maintainable releases.

Project : NTI Web Redesign

The National Title Information website (NTI Web) is an online resource for employees, customers and agents providing title insurance information and calculator for recording/tax fees by state and county. The NTI Web Administrator application provides user administration, content management, and reporting tools to manage the NTI website.

TECHNOLOGIES: .NET, C#, .NET CORE, ASP.NET, .NET MVC, WEB API, REST API, JSON, XML, NODEJS, ENTITY FRAMEWORK, ADO.NET, SQL, SQL SERVER, JQUERY, JAVASCRIPT, TYPESCRIPT, ANGULAR, REACT, BOOTSTRAP, HTML, CSS, GIT

Responsibilities:

- Actively participated in all SDLC phases including requirement gathering, design, coding, implementation, and testing.
- Followed Agile methodology with daily scrum meetings, sprint planning, and comprehensive documentation.
- Wrote and optimized SQL queries, stored procedures, views, indexes, functions, and clusters for data handling.
- Developed multiple APIs to return JSON data, including APIs for brand lists, contact email checks, state lookups, and dropdown metadata.
- Used Postman and Swagger tools for API testing, validation, and response verification.
- Designed and implemented responsive web pages using HTML5, CSS3, Bootstrap, and standard UI design principles.
- Built templates, wireframes, and mockups to visualize and plan future UI flows and layouts.
- Applied core OOP concepts—Encapsulation, Abstraction, Inheritance, and Polymorphism—in codebase and component design.
- Conducted unit testing across modules to validate business logic and ensure functional correctness.
- Improved database performance by optimizing complex stored procedures and query execution paths.
- Used Git for version control tasks including branching, merging, committing, and updating project repositories.
- Maintained smooth communication between technical and non-technical stakeholders for requirement clarification and delivery alignment.

Project: UNIFIED E-COMMERCE MANAGEMENT PLATFORM

The Unified E-Commerce Management Platform is an end-to-end retail solution designed to manage products, customers, and orders across multiple channels. It combines secure backend microservices with dynamic, responsive frontends to deliver real-time inventory tracking, personalized user experiences, and seamless checkout workflows using token-based authentication and role-based access control.

TECHNOLOGIES: PYTHON, DJANGO ORM, FLASK, FASTAPI, REST API, WEB API, JSON, SQL, SQLALCHEMY, HTML, CSS, JAVASCRIPT, TYPESCRIPT, BOOTSTRAP, ANGULAR, REACT, GIT

Responsibilities:

- Designed and developed a full-stack e-commerce platform to manage products, orders, inventory, payments, and customer engagement.
- Built backend microservices using Python frameworks — Django ORM for data models, Flask for lightweight services, and FastAPI for high-performance REST endpoints.
- Utilized SQLAlchemy for ORM mapping and SQL/SQL Server for relational data modeling, queries, stored procedures, and triggers supporting catalog and order management.
- Developed RESTful and Web APIs using JSON for seamless integration between frontend clients, payment gateways, and backend systems.
- Implemented secure authentication and authorization using JWT, OAuth 2.0, and RBAC to manage customer, seller, and admin roles.
- Designed and integrated both frontend and backend layers to enable real-time product listings, cart synchronization, and secure checkout workflows.
- Created responsive, user-friendly interfaces with Angular and React (ReactJS) using TypeScript, Bootstrap, HTML, CSS, and JavaScript.
- Built reusable components for product catalogs, shopping carts, order history, and checkout flows with advanced form validation and state management.
- Integrated Django, Flask, and FastAPI services with React and Angular clients via REST APIs for synchronized product, order, and payment data.
- Applied caching, pagination, and optimized query handling to ensure fast product loading and smooth user experience.
- Used Git for version control with feature branching, pull requests, and collaborative code reviews to maintain clean workflows.
- Worked in Agile sprints with cross-functional teams, coordinating with QA, design, and product stakeholders to deliver secure, scalable, and high-performance e-commerce releases.

Project : ICON MRP APPLICATION

The ICON MRP application consists of different modules like Dashboard, Demand Management module which consists sub-modules Master Demand Plan, Forecast, Study Planning and Configurations, Inventory Management module which has sub-modules Inventory, Purchase Orders, Safety Stock, Scrap, Configurations, Revenue Management module which has sub-modules Revenue, Configurations, Resource Planning module with sub-modules Planning, Configurations, MPS module which has Schedule, Analytics, Reports.

TECHNOLOGIES: .NET, C#, .NET CORE, ASP.NET, .NET MVC, WEB API, REST API, JSON, XML, NODEJS, ENTITY FRAMEWORK ORM, ADO.NET, SQL, SQL SERVER, JQUERY, JAVASCRIPT, TYPESCRIPT, ANGULAR, REACT, BOOTSTRAP, HTML, CSS, .NET FRAMEWORK, GIT

Responsibilities:

- Led requirement analysis, design, development, testing, and maintenance across full SDLC lifecycle using Agile and Scrum methodologies.
- Participated in daily stand-ups, sprint planning, and user story discussions to monitor project status and address issues.
- Applied OOD, OOAD, and MVC design patterns to build scalable and modular architecture.
- Developed frontend UI using HTML, CSS, JavaScript, Angular, React, JSON, XML, and TypeScript with responsive design via Bootstrap.
- Built Angular forms, handled validations, DOM events, directives, filters, and REST API integration with reusable components and services.
- Created database schema and wrote complex SQL/PLSQL scripts including stored procedures, triggers, joins, functions, views, and constraints in SQL Server and Oracle.
- Used ADO.NET, Entity Framework, and LINQ to design business logic and ORM for backend services in C# and .NET Core.
- Built ASP.NET Web Forms (master pages, user controls) and MVC components (razor views, partials, models) for web service integration.

- Developed RESTful APIs supporting all HTTP methods (GET, POST, PUT, DELETE), and validated responses via Postman and Swagger.
- Conducted unit testing using xUnit and NUnit; optimized SQL and LINQ queries for better runtime performance.
- Used Git and JIRA for version control, task management, branching, merging, and collaborative workflows.
- Collaborated with BAs, product managers, and QA teams to ensure business alignment, cross-platform compatibility, and defect resolution.

Project: SMARTLEARN

The SmartLearn EdTech Platform is an AI-enabled online learning system designed to connect educators and learners through interactive courses, video modules, and real-time analytics. It provides secure role-based access, seamless content delivery, and personalized learning journeys across web and mobile interfaces.

TECHNOLOGIES: PYTHON, DJANGO ORM, FLASK, FASTAPI, REST API, WEB API, JSON, SQL, SQLALCHEMY, HTML, CSS, JAVASCRIPT, TYPESCRIPT, BOOTSTRAP, ANGULAR, REACT, REACTJS, ANGULARJS, NODEJS, GIT

Responsibilities:

- Designed and developed a digital learning management platform enabling course creation, video streaming, assessments, and real-time progress tracking for students and instructors.
- Built backend microservices using Python frameworks — Django ORM for structured data modeling, Flask for modular APIs, and FastAPI for high-performance REST endpoints.
- Utilized SQLAlchemy ORM and SQL/SQL Server for database schema design, relational queries, stored procedures, triggers, and optimized indexing for scalability.
- Developed RESTful and Web APIs using JSON to facilitate secure communication between frontend portals, analytics dashboards, and backend services.
- Implemented authentication and authorization using JWT, OAuth 2.0, and RBAC to manage access levels for students, teachers, and administrators.
- Designed and integrated both frontend and backend layers to support interactive courses, personalized dashboards, and content delivery.
- Created dynamic, responsive UI using Angular, React (ReactJS), and AngularJS with TypeScript, HTML, CSS, JavaScript, Bootstrap, and Responsive Web Design principles.
- Integrated Node.js services for background processing such as email notifications, course recommendations, and async task handling.
- Implemented state management and session handling for user persistence, quizzes, and live class participation tracking.
- Developed role-based features for instructors (course upload, assignment grading) and learners (enrollment, progress visualization).
- Used Git for version control, code branching, and pull requests, ensuring smooth collaboration and traceability in Agile sprints.
- Collaborated cross-functionally with educators, product owners, and QA teams to deliver secure, scalable, and engaging e-learning experiences.

Project : CLIENT: OVERDRIVE

OverDrive is a widely used digital content distribution platform that enables public libraries, schools, and other institutions to lend ebooks, audiobooks, magazines, and streaming media to their users. The application provides a seamless and user-friendly experience across web, mobile, and desktop platforms, allowing readers to browse, borrow, and enjoy digital content anytime, anywhere. OverDrive supports integration with institutional systems and user authentication through library credentials, ensuring secure and personalized access.

TECHNOLOGIES: HTML, CSS, JAVASCRIPT, BOOTSTRAP, JQUERY, ANGULAR, REACTJS, NODEJS, JAVA, CORE JAVA, SPRING, SPRING BOOT, SPRING MVC, HIBERNATE ORM, JSP, JDBC, J2EE, JPA, GIT, JSON, XML, SQL, SQL SERVER

Responsibilities:

- Participated in all SDLC phases—analysis, design, development, testing—under Agile methodology with cross-team collaboration.
- Applied OOPS concepts, SOLID principles, and design patterns while developing modular, maintainable systems.
- Worked on monolithic, microservices, and N-tier architectures involving business, data access, and presentation layers.
- Designed and developed responsive UIs using HTML, CSS, JavaScript, jQuery, Angular, and React with Bootstrap, SCSS, and CSS variables for theming.
- Built Angular components with RxJS, services, routing, forms, and lifecycle hooks for reactive, data-driven functionality.
- Developed React SPA modules using hooks, Context API, and real-time API integration for seamless user experiences.
- Created and optimized SQL and PL/SQL queries, stored procedures, views, triggers, and functions in SQL Server and Oracle.
- Built scalable backend services using Java, Core Java, Spring Boot, Spring MVC, and Hibernate ORM for persistence and transaction management.
- Implemented Spring Security for JWT-based authentication, authorization, and secure session handling.
- Performed unit testing with JUnit and Mockito; used Log4j/SLF4J for logging, and Postman/Swagger for API testing and documentation.
- Managed version control via Git and GitLab—branching, merging, pull requests, and peer code reviews.
- Collaborated across teams (developers, testers, designers, PMs) ensuring on-time delivery, quality releases, and optimized database performance.

Project : CLIENT: KKR

KKR is one of the world's largest global investment firms, managing multiple asset classes including private equity, credit, and real assets across diverse industries. With a strong focus on innovation and technology, KKR leverages digital solutions to enhance portfolio performance and investor transparency. Worked on a strategic digital transformation project for KKR, a leading global investment firm, to build a full-stack portfolio management platform. The solution streamlined fund management, investor reporting, and performance analytics through modern Python-based microservices and rich front-end applications.

TECHNOLOGIES: PYTHON, DJANGO, FLASK, FASTAPI, SQLALCHEMY, SQL, SQL SERVER, POSTGRESQL, HTML, CSS, JAVASCRIPT, TYPESCRIPT, ANGULAR, REACTJS, GIT, JSON, XML

Responsibilities:

- Designed and developed a full-stack portfolio management platform to streamline fund administration, portfolio analytics, and investor reporting.
- Built a microservices architecture using Django (reporting/admin), Flask (analytics), and FastAPI (authentication and external REST APIs).
- Used SQLAlchemy ORM for unified database modeling and efficient entity relationships across services.
- Engineered optimized SQL queries, stored procedures, and views in SQL Server and PostgreSQL for complex investment datasets.
- Developed RESTful APIs with FastAPI and Flask, integrating seamlessly with Angular and React via OpenAPI TypeScript clients.
- Built Angular dashboards for fund managers and React investor portals for real-time fund performance, capital calls, and distributions.
- Implemented JWT-based authentication and Role-Based Access Control (RBAC) for secure access and data protection.
- Optimized backend performance using SQLAlchemy eager loading, query optimization, and parallel execution techniques.
- Created reusable Angular UI components and TypeScript services to improve modularity and code reusability.
- Applied React Hooks and Context API for investor dashboards to manage shared states and real-time updates.

- Worked in an Agile environment using Git for feature branching, code reviews, pulling/pushing/merging latest code changes.
- Collaborated cross-functionally to deliver secure, scalable, and compliant reporting modules with export features and responsive UI.

Project : CLIENT: PLAN INTERNATIONAL

Plan International is a global nonprofit focused on child sponsorship and humanitarian programs. The digital platform enables field workers and headquarters to manage child/family sponsorships, generate reports, and track program outcomes. The web application supports dynamic PDF/Excel report generation, real-time dashboarding, and workflow automation.

TECHNOLOGIES: JAVA, CORE JAVA, SPRING, SPRING BOOT, SPRING MVC, SPRING SECURITY, JSP, J2EE, JDBC, JPA, HIBERNATE, ANGULAR, SCSS, HTML, CSS, JAVASCRIPT, TYPESCRIPT, BOOTSTRAP, JSON, REST APIs, WEB APIs, SQL SERVER, GIT

Responsibilities:

- Designed and developed a full-stack web application to manage child sponsorship data, donor profiles, and impact reporting.
- Built backend services using Java, Core Java, Spring Boot, and Spring MVC with a structured Controller–Service– DAO architecture.
- Integrated Hibernate and JPA for ORM mapping and seamless interaction with SQL Server databases.
- Implemented RESTful and Web APIs for data exchange between Angular frontend and Spring Boot backend using JSON.
- Secured the application using Spring Security with JWT for authentication, authorization, and token-based session management. Implemented role-based access control (RBAC) for administrators, sponsors, and regional users.
- Developed JSP-based administrative modules for sponsorship approvals, user management, and financial tracking.
- Designed dynamic, responsive UI using Angular, TypeScript, HTML, CSS, Bootstrap, and media queries for multi-device compatibility.
- Created reusable Angular components with form validations, routing, and state management for smooth navigation.
- Wrote optimized SQL queries, stored procedures, joins, and triggers for performance-driven data analytics and reporting.
- Utilized JDBC for direct database operations and improved query efficiency through indexing and optimization.
- Employed Git for version control, feature branching, merging, and maintaining clean release cycles.
- Worked under Agile methodology with daily scrums, sprint planning, peer code reviews, and QA collaboration to ensure timely, high-quality delivery.

Project : CINC CRE

The CINC CRE Platform is a comprehensive commercial real estate management system designed to streamline property listings, leasing workflows, and client engagement. It enables brokers, investors, and property managers to efficiently manage assets, analyze performance, and collaborate through a secure, data-driven interface.

TECHNOLOGIES: JAVA, CORE JAVA, SPRING, SPRING BOOT, SPRING MVC, SPRING DATA JPA, JSP, JDBC, J2EE, HIBERNATE, REACT, REACTJS, NODEJS, HTML5, CSS3, TYPESCRIPT, JAVASCRIPT, BOOTSTRAP, REST APIs, WEB APIs, JSON, GIT, GITHUB

Responsibilities:

- Designed and developed a full-stack commercial real estate (CRE) platform for property management, leasing automation, and client engagement.

- Built backend microservices using Java, Core Java, Spring Boot, and Spring MVC with layered architecture for scalability and modularity.
- Integrated Hibernate and JPA for ORM mapping to manage complex entity relationships within SQL Server.
- Developed RESTful and Web APIs for seamless communication between React frontend, Node.js middleware, and Spring Boot backend using JSON.
- Secured APIs and user access with Spring Security integrated with JWT for token-based authentication and authorization.
- Created interactive and responsive UI in ReactJS using functional components, hooks, and TypeScript for dynamic data rendering.
- Implemented reusable UI layouts and components with HTML, CSS, JavaScript, and Bootstrap ensuring responsive design across devices.
- Built admin dashboards and property listings modules with advanced filters, sorting, and pagination for efficient data visualization.
- Used JDBC for direct SQL operations, optimizing stored procedures, joins, and indexes for better data retrieval performance.
- Integrated Node.js services for asynchronous API calls, file uploads, and communication with third-party listing APIs.
- Managed source code via Git with feature branching, merging, and peer code reviews to maintain quality and version traceability.
- Collaborated in an Agile environment with daily scrums, sprint reviews, and continuous delivery to ensure timely and stable releases.

Project : CLIENT: BROADSPIRE

Broadspire, a leading third-party administrator (TPA) for claims management and risk solutions, required an internal AI-powered automation platform to streamline engineering escalations, cross-functional service requests, and internal ticket triaging. The platform integrates seamlessly with messaging tools, auto-generates tickets from conversations, provides SLA dashboards, and provides secure, role-based access for internal departments.

TECHNOLOGIES: JAVA, CORE JAVA, J2EE, JSP, JDBC, SPRING, SPRING MVC, SPRING BOOT, SPRING WEBFLUX, SPRING SECURITY, SPRING DATA JPA, HIBERNATE, REACT, REACTJS, NODEJS, ANGULARJS, HTML, CSS, JAVASCRIPT, TYPESCRIPT, BOOTSTRAP, REST APIs, WEB APIs, JSON, SQL SERVER, GIT, GITHUB

Responsibilities:

- Designed and developed a full-stack claims and risk management system to automate case processing, reporting, and client servicing workflows.
- Built backend microservices using Java, Spring Boot, and Spring MVC following a layered architecture for scalability and modularity.
- Integrated Hibernate, Spring Data JPA, and JDBC for ORM mapping, efficient query execution, and seamless database communication with SQL Server.
- Developed RESTful and Web APIs for data exchange between React and AngularJS frontends using JSON-based contracts.
- Secured APIs and modules using Spring Security with JWT for token-based authentication and RBAC for role-based access control.
- Created dynamic, responsive frontend interfaces using ReactJS, AngularJS, HTML, CSS, Bootstrap, JavaScript, and TypeScript.
- Implemented reusable components, routing, form validations, and state management to improve maintainability and UX.
- Built JSP-based administrative modules for claims approval, user roles, audit tracking, and internal reporting.
- Used Node.js services for asynchronous communication, background job execution, and file handling integrations.
- Designed and optimized SQL queries, stored procedures, and indexes to support high-performance transactional operations.
- Managed code repositories in Git and GitHub with feature branching, merging, and code review processes.

- Collaborated under Agile methodology with daily stand-ups, sprint planning, and cross-functional coordination to ensure on-time, secure, and quality delivery.

Project : CLIENT: VENDAVO

Vendavo is a global leader in B2B pricing and revenue management solutions, helping enterprises optimize profitability through intelligent pricing strategies. Worked on to build a full-stack .NET application for managing product pricing, customer segmentation, and revenue optimization. The platform streamlined price modeling, discount governance, and real-time analytics through robust back-end services and modern front-end applications.

TECHNOLOGIES: C#, .NET, ASP.NET, ADO.NET, ENTITY FRAMEWORK, WEB API, REST API, HTML, CSS, JAVASCRIPT, TYPESCRIPT, BOOTSTRAP, ANGULAR, REACTJS, GIT, JSON, XML, SQL, SQL SERVER

Responsibilities:

- Designed and developed a full-stack pricing and revenue management system to optimize customer pricing, discounting, and profitability reporting.
- Built modular ASP.NET MVC and Web API services in C# for product catalogs, pricing models, and discount approval workflows.
- Developed REST APIs integrated with Angular and React frontends for seamless and secure data exchange.
- Used ADO.NET and Entity Framework for data access, combining stored procedures and LINQ for high-performance pricing computations.
- Designed SQL Server schemas, indexes, and complex queries to support large-scale pricing and analytics operations.
- Implemented JSON/XML serialization for API data exchange and standardized inter-service communication and logging.
- Built Angular dashboards for sales and pricing analysts to configure products, price rules, and performance KPIs.
- Developed React-based customer portals displaying real-time prices, discounts, and revenue analytics.
- Applied Bootstrap and responsive design for consistent UI/UX across desktop and mobile devices.
- Introduced asynchronous C# programming with async/await and implemented Web API versioning and dependency injection for scalability.
- Created reusable Angular/React components, implemented RBAC, and enhanced backend performance with EF eager loading.
- Followed Agile methodology with Git for version control, unit/integration testing via NUnit, xUnit, Mockito, and frontend validation using React Testing Library.

Key strengths:

- Good time-management and organizational skills.
- Hardworking, dedicated, sincere and efficient at learning and implementing new skills and technologies.
- Able to work well with minimum follow ups while also functioning as a vital team member and encouraging team members also to work in healthy environment.
- Experienced in handling multi-member team, Task management, Reviews and Client interactions.
- Well-versed with project delivery processes within time.
- Quick learner, motivated, organized, sincere, adaptive & positive team player.

Personal Details:

Name	Devlina Bhatnagar
Date of Birth	10 February 1996
Nationality	Indian
Religion	Hindu
Language Known	English, Hindi, Bengali
Husband Name	Akshay Bhatnagar

Achievements / Co-Curricular Activities:

- Participated in Numerical Methods and Object Oriented Programming workshop organised by the department of Information Technology of St. Thomas' College of Engineering and Technology on May 25-26, 2016.
- Got distinction in the field of music.
- Participation in "Hit the Wicket" of the annual sports of St. Thomas College of Engineering Technology, 2017.

Hobbies:

- Singing
- Reading Books & Novels
- Dancing
- Traveling

Declaration:

I hereby declared that the above mentioned particulars are true to the best of my knowledge and belief.

Place: Delhi

DEVLINA BHATNAGAR

Date: