

Bibek Saini

Senior Software Engineer

CONTACT ME

 itsbibeksaini.com

 itsbibeksaini@gmail.com

 +91 9478889924

 github.com/itsbibeksaini

 linkedin.com/in/itsbibeksaini

SKILLS

FRONTEND

Angular(8+), RxJS, HTML5, CSS3, JavaScript(ES6+), TypeScript.

BACKEND

Java(8), ASP.NET Core, Entity Framework, Spring Framework, Java Persistence API(JPA).

DATABASE TOOLS

MS SQL Server, MongoDB.

DEPLOYMENT TOOLS

Docker, Kubernetes, Azure Kubernetes Services, Helm.

FRAMEWORKS & DESIGN

PATTERNS

Micro-Services, REST pattern, gRPC, Consul, Ocelot.

VERSION CONTROL

Git, Github, Github Desktop, Fork, Mercurial.

EDUCATION

I. K. Gujral Punjab Technical University.

2012 - 2016 Amritsar, Punjab IN.
Bachelor's of Technology Computer Science and Engineering.

WORK EXPERIENCE

CatalystOne Info Solutions Pvt Ltd.

Senior Software Engineer
(Dec, 2020 - Present)

- Developed multiple frontend applications, re-usable components using Angular(8+), TypeScript, RxJS, Observables.
- Developed UI/UX components using HTML5, CSS3(Bootstrap, Material UI and Animate.css) and CSS preprocessors SCSS.
- Built RESTful API's to perform CRUD operations and used Swagger(OpenAPI) to design, build and document.
- Used Microservices architecture to isolate software functionality into multiple independent modules which were responsible for performing predefined, standalone tasks. These modules communicates with each other through universally accessible APIs built on REST or gRPC.
 - Used Consul service mesh to implement service discovery for various services in Kubernetes cluster.
 - Incrementally extract modules out of the monolith and convert them into multiple independent services.
 - Used cert-manager CRD in Kubernetes to automate the management and issuance of TLS certificates.
 - Used docker tool to create containers to package up an application with all of the parts it needs.
- Deployed Azure Pipelines for CI/CD to automate deployment on Azure Kubernetes Services(AKS).
- Mentored multiple teams for building strategies of various modules.

Software Developer (May, 2018 - Nov, 2020)

- Designed and implemented Invoice Manager to help client's organisation digitize their invoice generation system and manage their sales data.
 - Designed backend application using ASP.NET MVC and implemented core framework using C#.
 - Used Dependency Injection to reduce the tight coupling among software components.
 - Used Entity Framework Object Relational Mapping (ORM) framework for storing and accessing the data in the database.
 - Wrote unit test using xUnit.
- Created REST API endpoints using Spring Framework, JPA, Spring Data.
 - Added/enhanced unit test coverage using JUnit and Mockito.

Associate Java Developer
(July, 2016 - April, 2018)

- Used Jira, Confluence for software documentation & sprint management.
 - Used Scrum Agile Methodology in my work (Daily Scrum Meeting, Planning Poker, Sprint Backlog, 1on1 meeting)
- Used TypeScript, JavaScript(ES6+) to handle business logic on the client side.
- Used Microsoft SQL Server and made Entity Relationship Diagrams(ERD) to visualize business model.
- Version control system using GIT repository, created pull requests, did code reviews and managed branches.

Trainee Java Developer
(April, 2016 - July, 2016)

- Designed rewards and recognition(R&R) module that will help to increase motivation of employee to get the best achievement.
 - Designed interactive UI using HTML5, CSS3, jQuery and used Apache velocity template engine to merge dynamic data in template.
 - Developed various layers of business logic, data access layer using Java(8) and used Microsoft SQL Server(2019).

PROJECTS

Task Manager

Micro-services app

- Built on micro-services architecture this application provides management services like invoice manager and task board which allow users to manage their task and help organisation's digitize their invoice generation system. The whole project is divided into various micro-apps based on their individual responsibility that each micro app need to perform, which are deployed on Azure Kubernetes Services.
- Technology used:
 - Angular(8+) for frontend client application.
 - Java Spring Framework, ASP.NET Core web api for backend micro web apps, gRPC for inner app communication and RESTful API for communicating with client.
 - Consul Service Mesh combined with Ocelot Api to built a gateway api for communication with client application.
 - Docker for container image creation, Kubernetes for container-orchestration for automating computer application deployment, scaling, and management.

Music Store

ASP.NET MVC web app

- Music Store Web App let users access their favourite music albums and listen them over the internet. User's can create personalized playlist, add album or songs to their favourites.
- Technology used:
 - ASP.NET framework to build core framework and c# to write business logic.
 - ASP.NET Razor to create dynamic web pages with the C#.
 - Entity framework object-relational mapping(ORM), LINQ tools for storing and accessing the data in the database.