

Gurparsad Singh Bajwa

FULL STACK DEVELOPER / SOFTWARE ENGINEER

// Contact Information

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// Education

Northern College 2020 - 2021

Diploma in Computer Science
GPA: 3.6/4.0

// Technical Skills

Languages

- Java
- C# .NET
- C++
- Python
- XML
- HTML
- CSS
- JavaScript
- TypeScript
- SQL

Frameworks & Libraries

- NodeJS
- React
- Spring Boot
- Selenium
- NextJS
- Angular
- jQuery
- Jest

Databases

- MySQL
- Oracle
- MongoDB

Version Control & Build tools

- Git
- Docker
- Kubernetes
- Jenkins
- Webpack
- Azure

Cloud

- AWS
- Azure

Other

- UI/UX
- Restful API
- OOP
- Microservices
- SOAP
- MVC

// Languages

- English
- Punjabi
- Hindi

All professional proficiency or above.

// Work History

Freelance Full Stack Developer

Jan 2023 - Current

Technologies - HTML, CSS, JS, TypeScript, React, MongoDB, ExpressJS, Adobe XD, Azure

- Connects with clients to propose a full cycle solution to their business problems
- Designs UI/UX and wireframe mockups to provide engaging and accessible frontends for users
- Created 3 websites using MERN stack with highly responsive design and secure backend functionality driven with Restful APIs
- Provided solutions within set budget and timeline, by delivering MVP within weeks followed by regular updates in agile scrum sprints

Full Stack Developer at California Creative Solutions

Jan 2022 - Jan 2023

Technologies - HTML, CSS, JS, C# .NET, Razor, SQL, Git, Jenkins, Restful API, AWS

- Developed and maintained 4 client-facing web applications and API's using C#.NET, Razor and React in a cross-functional team
- Designed and developed 45+ React components to compose the UI for web applications
- Implemented test cases using MSTest and Selenium to provide full coverage for every usage scenario of the web applications

Frontend Developer at PharmaEPass

April 2021 - Sept 2021

Technologies - HTML, CSS, TypeScript, React, Jest, Jenkins, Git, AWS

- Developed visually appealing and user-friendly interfaces using React
- Setup and integrated CI/CD pipeline to ensure smooth update delivery of updates
- Conducted thorough testing and debugging to ensure cross-browser compatibility and responsive behavior

.NET Developer at PSPCL, India

Aug 2019 - March 2021

Technologies - .NET, MVC, Unit Testing, MSTest, Swashbuckle, Microservices

- Worked on and managed an electricity billing system by developing APIs in .NET and conducting thorough testing using MSTest and Swashbuckle
- Worked in cross-functional teams working on a wide-array of systems like HR systems, payment gateways, etc.
- Deployed containerized microservices using Kubernetes and Docker
- Implemented and managed CI/CD pipelines within the project scope, guaranteeing code quality and preventing regressions

// Projects

Phoenix Game Engine

- C++ and OpenGL based 3D game engine with support for responsive grid layouts and text rendering
- Implemented multithreading to run application layers in parallel - audio, visual, AI, networking, etc.
- Wrote efficient data structures and algorithms such as k-d tree and bounding volume heirarchy for a high performance scene graph
- Created a Perlin noise generator with fractal distortion to generate realistic randomized 3D terrain in realtime