**Dilpreet Bajwa**

**Full Stack Developer | Software Developer**

**MongoDB | React.js | JavaScript | C# | SQL | AWS | Git | Restful APIs | .Net | Spring Boot | CI/CD**

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**Professional Summary**

* Over **5+ years of experience** as a **Full Stack Developer** with expertise in designing and implementing scalable, high-performance web applications using a variety of front-end and back-end technologies
* Skilled in **front-end technologies** like **HTML5, CSS3, JavaScript, React**, delivering responsive and dynamic user interfaces
* Proficient in **backend** programming languages such as **Python, or Node.js,** utilizing their core principles and frameworks to build robust and **scalable backend solutions**
* Expertise in building and consuming **RESTful APIs** and working with **microservices architecture** to deliver modular and scalable applications
* Hands-on experience with **Bitbucket** for source code management, **Git** for version control, and setting up **CI/CD pipelines** for automated build and deployment processes
* Strong knowledge of database systems like **SQL Server, MySQL**, and **MongoDB,** with expertise in **database design**, optimization, and administration
* Proven ability to work with **cloud infrastructure** like **AWS EC2** and **AWS S3**, deploying, managing, and scaling applications in a cloud environment
* Familiarity with popular **backend frameworks** such as **Laravel, Spring, or Express.js**, leveraging their features to develop efficient and maintainable **backend systems**
* Well-versed in **deploying** and **managing** containerized applications using **Docker** and **Kubernetes** on **Azure**, demonstrating deep expertise in leveraging **Azure Kubernetes Service (AKS)** to optimize application scalability, **reliability**, and operational efficiency
* Proven ability to **troubleshoot complex technical issues**, optimize application performance, and implement innovative solutions to enhance user experience and application reliability
* Passionate about learning **new technologies** and applying **best coding practices** to ensure high-quality software with a focus on maintainability and performance
* Excellent **communication skills** with a **collaborative** approach to working with **clients, stakeholders**, and team members to gather requirements, provide **technical guidance**, and deliver successful project outcomes
* Adept at implementing **Agile/Scrum methodologies**, collaborating with **cross-functional teams**, and delivering solutions aligned with **business goals**

**Technical Stack**

|  |  |  |  |
| --- | --- | --- | --- |
| CSS | PHP | C# | .Net |
| Rest api | **Kubernetes** | **Jenkins** | **JQuery** |
| CICD | **Git** | **Angular** | **Docker** |
| HTML | **Node.js** | **React** | **Jest** |
| SQL | **MySQL** | **ASP.NET** | **Visual Studio** |
| Python | **JavaScript** | **Java** | **MVC** |
| GCP | **MongoDB** | **Agile** | **Typescript** |

**Education & Certifications**

* **Post Graduate** in Computer Science, Guru Nanak Dev University, India **Aug 2015 - Apr 2017**
* **Bachelor’s** in Computer Science, I.K. Gujarat Punjab Technical University, India **Apr 2007- Mar 2011**
* Meta Front-End Developer Specialization.

**Work Experience**

**Full Stack Developer Healthi AI, Canada May 2022- Till date**

* Led the development of scalable web applications using both MERN (MongoDB, Express, React, Node.js) and MEAN (MongoDB, Express, Angular, Node.js) stacks, ensuring seamless integration between front-end and back-end systems
* Designed and implemented RESTful APIs to support both internal and external clients, ensuring secure, scalable, and efficient data exchanges
* Reduced API response time by 40% by optimizing SQL queries and integrating Redis for efficient caching, enhancing application performance under heavy traffic
* Worked closely with UX/UI designers to develop user-centric interfaces that enhance usability and improve overall customer satisfaction, contributing to a 15% increase in user engagement
* Facilitated discussions with product managers and stakeholders to refine requirements, ensuring alignment with business goals
* Implemented comprehensive unit tests using Jest, achieving 90% test coverage and significantly reducing the number of bugs in production
* Played a key role in scaling applications to support thousands of concurrent users by optimizing code, database queries, and server configurations
* Leveraged load balancers, horizontal scaling, and microservices architecture to ensure high availability and resilience in production environments
* Set up CI/CD pipelines using Jenkins, Docker, and Kubernetes to automate deployment, reduce manual errors, and shorten the release cycle
* Emphasized DevOps best practices to ensure smooth collaboration between development and operations teams, minimizing downtime and improving deployment success rates
* Mentored junior developers on best practices, design patterns, and clean code principles, contributing to the growth and success of the development team
* Acted as the technical lead on various projects, coordinating with other developers to ensure timely delivery and adherence to coding standards

**Software Developer Seraphic, India Feb 2021- Oct 2021**

* Developed full-stack applications using Node.js, Laravel, and MySQL, ensuring robust and scalable architecture for various web applications.
* Implemented secure authentication using Passport.js, effectively reducing unauthorized access and improving overall security.
* Designed and deployed web applications using AWS services like EC2 for scalable compute resources and S3 for efficient storage, ensuring seamless deployment and high availability.
* Collaborated with front-end developers to ensure smooth integration of back-end services and create a cohesive user experience.
* Utilized AWS CloudWatch to monitor and maintain application performance, quickly resolving issues and ensuring minimal downtime.
* Optimized database queries in MySQL, improving application performance and reducing query execution time.
* Worked closely with senior developers to understand and implement best practices for software development, including code reviews and version control using Git.
* Engaged in agile methodologies, participating in sprint planning, daily standups, and delivering features within tight deadlines
* Created modular, reusable middleware components in Node.js for logging, authentication, and error handling, improving code reuse and system consistency
* Utilized Laravel’s Eloquent ORM to simplify database interactions and enforce data integrity through advanced relationships and constraints

**PHP Developer RV Technologies Pvt Ltd, India May 2019 - Dec 2020**

* Coordinated multiple projects, developing web-enabled applications and RESTful APIs, ensuring efficient communication between client and server-side systems.
* Implemented social media logins (e.g., Google, Facebook) and payment gateways (e.g., Stripe, PayPal) to provide users with secure, convenient authentication and payment options.
* Integrated Socket.io to develop a real-time chat module, enhancing user engagement and enabling instant communication for live support.
* Managed and optimized SQL and MongoDB queries for data manipulation, ensuring fast retrieval and improved database performance.
* Developed an intuitive quiz selection feature, supporting various question types, resulting in a 30% improvement in user experience and interaction.
* Collaborated with front-end developers to integrate backend logic with user interfaces, ensuring seamless application functionality.
* Performed thorough testing and debugging to identify and resolve issues, ensuring the smooth operation of payment, authentication, and chat modules

**Software Developer Shine Dezign Infonet Pvt. Ltd, India Dec 2017 - Apr 2019**

* Developed core PHP applications while learning and implementing the MVC architecture, which enhanced code organization and maintainability.
* Gained hands-on experience in PHP frameworks like Laravel, leveraging its features to build scalable and secure web applications.
* Created a project management web app in Node.js, focusing on improving user experience and delivering efficient task tracking and collaboration features.
* Designed and implemented a comprehensive admin module for managing various aspects of e-commerce platforms, including products, pages, menus, coupons, and ads, enabling streamlined operations and improved business control.
* Collaborated with teams to ensure that the admin module had an intuitive user interface, reducing administrative workload and enhancing usability.
* Applied best practices in backend development, ensuring security, scalability, and maintainability throughout the project lifecycle