Vishwadeep Singh

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Summary:

I have 5+ years of experience in HTML, CSS, JavaScript, React.js, PHP, and Node.js, with a strong background in both frontend and backend development. Leveraging my expertise, I have successfully led the design, development, and maintenance of web applications known for delivering exceptional user experiences

Technical Skills:

- **Backend Languages**: Node.js (Express, Next.js) for JavaScript backends and server-side rendering; PHP (Laravel, CodeIgniter) for MVC web applications
- **Frontend Languages**: JavaScript for dynamic behavior; HTML5/CSS for structure and styling; React.js for component-based UIs; Bootstrap for responsive design.
- **Version Control**: Git for tracking code changes; GitHub for hosting repositories and collaboration.
- **Database**: PostgreSQL and MySQL for relational data storage and ACID-compliant transactions.
- **Server Tools**: AWS EC2 for scalable virtual servers; AWS Lambda for serverless function execution

Professional Experience:

Intwo Cloud   **August 2025 - Present**

Technical Consultant   Bangalore

- Contributed to international projects, delivering scalable web solutions across diverse technology stacks including Laravel, Node.js, Angular, React.js, and .NET.
- Designed and implemented RESTful & APIs for seamless integration between distributed systems and third-party services.
- Optimized performance and deployment of enterprise applications on AWS Windows Server environments, ensuring high availability and security.
- Collaborated with cross-functional global teams to analyse requirements, architect solutions, and deliver client-centric applications.
- Streamlined cloud infrastructure management, enhancing scalability, CI/CD workflows, and monitoring using AWS services.
- Delivered end-to-end solutions from backend development to frontend user experience, ensuring responsiveness, maintainability, and alignment with international project standards.

Exhibition India Group.   **Dec 2021 – 31July2025**

Full Stack Developer (PHP, Node.js, React.js)   Delhi

- Use Redis for in-memory caching, session/token storage (including JWT blacklists), and pub/sub messaging to coordinate real-time updates across clustered servers
- Implement stateless authentication with JWTs (short-lived access tokens + longer-lived refresh tokens stored in Redis) and Express middleware to verify and revoke tokens,
- Deploy multiple Express.js API + WebSocket servers behind a load balancer (with health checks and optional sticky sessions) to handle HTTP(S) requests and persistent WebSocket connections at scale.

- Build frontend pages in Next.js (for SEO-friendly, server-rendered routes) and React.js (for client-only dashboards and chat UIs), both interacting with the Express API via AJAX and WebSocket clients for live updates
- Persist relational data (users, cars, reviews) in PostgreSQL with proper indexing and connection pooling (e.g., Bouncer), while Redis handles transient data and cross-instance event broadcasting.

SRDV Pvt. Ltd.   **Sep 2020 -Sep 2021**
Web Developer(PHP)   Noida
- **AWS-Hosted MySQL & Server**: MySQL runs on AWS (RDS/EC2) for reliable, auto-backed relational storage, while AWS servers (EC2/Elastic Beanstalk) provide scalable compute for PHP/Node.js backends.
- **PHP & Frameworks**: PHP powers dynamic logic; Laravel uses MVC, Eloquent ORM, Blade templating, and Artisan for rapid, secure development, whereas
  CodeIgniter offers a lightweight MVC structure with minimal configuration and high performance
- **HTML Structure**: HTML defines semantic page layouts—headings, paragraphs, forms—forming the foundation that both CSS and Bootstrap style
- **CSS & Bootstrap**: CSS customizes colors, typography, and layouts; Bootstrap adds responsive grids and prebuilt components (navbars, modals) for mobile-first design and rapid UI assembly
- **CSRF Tokens & JavaScript Event Loop**: CSRF tokens embed unique, server-generated values in forms to prevent unauthorized cross-site requests, while JavaScript's event loop—using a single thread with callbacks, promises, and async/await—manages non-blocking I/O and smooth asynchronous execution.

SDLC Stages:

- **Requirement Analysis & Design:** Gather and document functional/non-functional requirements (using Jira/Confluence), produce SRS, HLD/LLD with UML diagrams, ERDs, and API contracts (OpenAI).
- **Implementation & Version Control:** Develop modular, MVC-based code (Laravel/Node.js) following coding standards (PSR/PEP8), manage via Git workflows (feature branches, PRs), and run CI pipelines (Jenkins/GitHub Actions) for linting and unit tests.
- **Testing, Deployment & Maintenance:** Execute automated tests (JUnit, PHPUnit, Jest, Selenium), perform static analysis (SonarQube), provision infrastructure as code (Terraform/CloudFormation on AWS), deploy via Docker/Kubernetes with blue/green or canary strategies, and monitor/patch using Prometheus, Grafana, and ELK.

CERTIFICATIONS:

- **Full Stack Node.js & DevOps (Ducat):** Gained expertise in building scalable Node.js backends, RESTful APIs, and implementing DevOps practices like CI/CD, containerization (Docker), and deployment automation
- **Python (Simplilearn, 2023):** Mastered Python fundamentals, scripting, and object-oriented programming, along with libraries such as Pandas and NumPy for data manipulation and automation tasks
- **Business Analytics (Simplilearn, Aug 2022):** Learned data analysis techniques, statistical modeling, and visualization tools (e.g., Tableau, Power BI) to derive actionable business insights from datasets

Relevant Coursework:
- Data Science with Python
- Algorithms and Data Structures
- Business Analytics

EDUCATION:

- Master's in computer science (2018–2021)
  Institute of Engineering and Technology

- Diploma in Information Technology (2017–2018)
  Institute of Basic Science

- Bachelor's in computer science (2014–2017)
  Dau Dayal Institute of Vocational Education, Agra

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