VAIBHAV SHARMA
Senior Software Engineer

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OBJECTIVE

To build a rewarding career in a dynamic and innovative corporate environment by leveraging my expertise in full-stack development. I aim to contribute meaningfully to organizational growth while continuously enhancing my technical and leadership skills to realize my full potential.

SUMMARY

- Full Stack Developer with 9 years of experience in designing, developing, and managing complex applications and internal frameworks. Extensive hands-on experience with MERN and MEAN stack, Core PHP, Laravel, and modern JavaScript frameworks. Skilled in both monolithic and microservices architecture with strong cloud and DevOps expertise. Proven track record as a team lead, delivering high-quality solutions in agile environments.

PROFESSIONAL EXPERIENCE

- Full Stack Development: 8+ years – NODEJS,MERN, MEAN, Core PHP, Laravel, CodeIgniter, JavaScript, HTML, CSS

Backend Technologies:
Node.js, Express.js – 8+ years
Laravel – 7+ years
Nest.js – 2+ years

Database Technologies:
MySQL – 5+ years
MongoDB – 4+ years
PostgreSQL – 4+ years

Frontend Technologies:
React.js – 5+ years
Angular and TypeScript – 4+ years
Vue.js – 3+ years
Next.js – 2+ years

Cloud Platforms:
AWS (EC2, S3, RDS, Lambda, DynamoDB, CloudWatch) – 3+ years
Microsoft Azure – 2.5 years

DevOps & Tools:
CI/CD, GitHub, Bitbucket, Jenkins – 4+ years
Docker & Kubernetes – 2+ years
Kafka, Jest – 2+ years

Operating Systems & Servers:
Ubuntu, Linux, Apache – 5+ years

Architecture & Methodologies:
Microservices & Monolithic Architecture – 3 years
Agile/Scrum Methodology – 4+ years

Leadership:
3 years experience as Team Lead – mentoring, code reviews, project management

EXPERIENCE

- **Tech Mahindra**   **April 2025 - July 2025**
  Senior Software Engineer
  - Developed and maintained scalable backend services using Node.js as part of a microservices architecture.
  - Built RESTful APIs to support various frontend modules and third-party integrations.
  - Designed and implemented efficient data models and database queries using MongoDB and other relevant databases.
  - Collaborated with cross-functional teams to gather requirements and deliver robust features.
  - Developed dynamic and responsive web applications using Angular for frontend components.
  - Integrated APIs with Angular components to provide seamless user experiences.
  - Worked on authentication, authorization, and role-based access control within the application.
  - Performed code reviews, debugging, and optimization to improve performance and maintainability.
  - Participated in Agile ceremonies like sprint planning, daily standups, and retrospectives.
  - Contributed to unit testing and ensured code quality using tools like Jest

- **CDN Solutions Group**   **January 2024 - December 2024**
  Senior Software Engineer
  - Led and mentored junior and mid-level developers, ensuring adherence to industry best practices and coding standards.
  - Developed scalable and efficient backend APIs using Node.js and NestJS.
  - Built dynamic and responsive user interfaces using React.js and Next.js.
  - Collaborated with product owners, designers, and stakeholders to translate business requirements into robust technical solutions.
  - Optimized existing systems for performance, scalability, and security.
  - Followed modern development practices including Agile methodologies, TDD (Test Driven Development), and CI/CD pipelines.
  - Acted as a liaison between technical and non-technical teams to ensure smooth communication and project alignmen

- **OutThinkCoders (Unit of indoscandic solutions private limited), Indore**   **August 2019 - December 2023**
  Team Lead
  - Assigned tasks strategically based on individual strengths and tracked progress to ensure timely project delivery.
  - Supervised the completion of multiple large-scale applications and daily development activities.
  - Fostered a collaborative team environment and resolved interpersonal conflicts constructively.
  - Led full-stack development using a diverse tech stack including PHP, CodeIgniter, Laravel, JavaScript, TypeScript, Node.js, Angular, React.js, Next.js, and Vue.js.
  - Managed end-to-end software development, scripting, and project lifecycle management.
  - Demonstrated a strong analytical mindset with excellent problem-solving abilities.
  - Worked independently and in team settings, maintaining high levels of productivity and ownership.

- **Mindiii System Pvt. Ltd. , Indore**   **November 2015 - July 2019**
  Software Engineer
  - Contributed to various software development projects as a full-stack developer.
  - Designed algorithms and flowcharts in collaboration with the development team.
  - Integrated third-party APIs and software components to extend platform functionality.
  - Reviewed and recommended performance improvements, bug fixes, and refactoring opportunities.
  - Gained hands-on experience across frontend and backend stacks, laying a strong foundation in web application developmen

SKILLS

- Back-End Development:Node.js, NestJS, Express.js, PHP, Laravel, CodeIgniter, RESTful API, WebSocket, Microservices Architecture.
- Front-End Development: HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js, Angular, Vue.js, Next.js, Redux, Tailwind CSS, Bootstrap.
- Database Management: MySQL, MongoDB, PostgreSQL, DynamoDB
- DevOps & CI/CD: Git, GitHub, GitLab, Bitbucket, Jenkins, Docker, Kubernetes, Nginx, Terraform.
- Cloud Services: AWS (EC2, S3, RDS, Lambda, CloudWatch, DynamoDB), Microsoft Azure
- Server & Hosting:Ubuntu, Linux, Apache, Nginx
- Testing & Monitoring: Jest, Postman, Mocha, Chai, Swagger, JIRA, ELK Stack.
- Tools & Editors: VS Code, Sublime Text, Notepad++, Postman, Figma, Chrome DevTools.
- Architecture Patterns: Monolithic, Microservices, Modular Architecture, Serverless Architecture.
- Development Methodologies: Agile, Scrum, Kanban

EDUCATION

- **SDITS, KHANDWA(RGPV UNIVERSITY IN BHOPAL, MADHYA PRADESH)**   **2012**
  B.E. (COMPUTER SCIENCE & ENGG.)
  69.10%

- **BOARD OF SECONDARY EDUCATION MADHYA PRADESH**   2008
  Higher Secondary
  69.8%
- **BOARD OF SECONDARY EDUCATION MADHYA PRADESH**   2006
  Matriculation
  69.4%

RESPONSIBILITIES

- Lead full software development lifecycle from requirements gathering to deployment and maintenance.
- Architect, develop, and maintain RESTful APIs and microservices using Node.js, Express, and NestJS.
- Design scalable and responsive front-end applications using React.js, Angular, Vue.js, and Next.js
- Integrate third-party services and APIs for enhanced application functionality.
- Manage cloud infrastructure (AWS, Azure) including EC2, S3, RDS, Lambda, and CI/CD pipelines.
- Optimize system performance, scalability, and security through code reviews, testing, and refactoring.
- Implement CI/CD pipelines using GitLab, Jenkins, Docker, and Kubernetes for automated deployments.
- Follow Agile methodologies, participate in daily standups, sprint planning, and retrospective meetings.
- Collaborate with cross-functional teams including designers, QA, product managers, and stakeholders.
- Mentor junior developers, conduct code reviews, and enforce best practices for clean and maintainable code.
- Write and maintain unit and integration tests using Jest and other testing frameworks.
- Document technical processes, system architecture, and APIs for internal and external use.
- Proactively identify bottlenecks, bugs, and technical debt, and provide timely solutions.
- Support DevOps practices by maintaining containerized environments and infrastructure as code (IaC) using Terraform.

STRENGTH

- Active Listener – Pays close attention to detail and ensures clear understanding in team communication and client interactions.
  Hardworking & Dedicated – Committed to delivering high-quality results and meeting deadlines under pressure.
  Self-Motivated – Continuously seeks out new challenges and opportunities to improve personal and technical skills.
  Quick Learner – Adapts rapidly to new technologies, frameworks, and evolving project requirements.
  Leadership Qualities – Proven ability to lead teams, manage projects, and mentor junior developers effectively.

SDLC MODELS

- Agile, Jira, Trello, Slack, Asana,

LANGUAGE

- English
- Hindi

CERTIFICATE

- Mean Stack & Mern Stack
- AWS Cloud Assessment

PROJECTS

- **Project: IntegriShield**
  Technologies: TypeScript, React.js, Next.js, Node.js, Nest.js, MongoDB, AWS (EC2, S3, Lambda), Tailwind CSS, Docker, Jest
  Role: Full Stack Developer
  Duration: February 2024 – December 2024
  Description:
  IntegriShield offers robust marketing and compliance monitoring solutions tailored for businesses in the U.S. and globally. The platform automates violation detection, reporting, and resolution to ensure regulatory compliance across digital marketing efforts.
  Responsibilities:
  - Designed and developed scalable modules for managing Affiliates, Categories, Industries, Clients, and Contacts.
  - Built RESTful APIs using Nest.js and handled efficient data modeling with MongoDB.
  - Integrated import/export functionality with queue-based processing for optimized performance and data accuracy.
  - Implemented database migrations and seeders for consistent environment setup and test data provisioning.
  - Followed best practices in CI/CD using GitLab pipelines, ensuring smooth integration and deployment workflows.
  - Leveraged Docker for containerized development and simplified environment management.

- Actively participated in code reviews, knowledge-sharing sessions, and agile ceremonies.
- Used JIRA for task management and sprint planning, maintaining transparent and efficient collaboration across the team.
- Applied Tailwind CSS for responsive and consistent UI design across components

- **Project: Casino (Online Gaming Application)**
  Technologies: JavaScript, Vue.js 3, Laravel 8, MySQL, TypeScript, Kubernetes, Vite, Module Federation,
  Role: Full Stack Developer
  Duration: June 2024 – September 2024
  Description:
  Casino is an online gaming platform that supports real-money transactions and offers 22 engaging game categories, including card games, Aviator, and Sic Bo. The application delivers a real-time multiplayer experience with dynamic game mechanics and secure payment integrations.
  Responsibilities:
  - Developed an intuitive Card Game interface, including complex features such as Bet, Rebet, Insurance, and Push, ensuring smooth user interactions.
  - Engineered the Crash Game module with real-time synchronization using WebSockets for multi-user gameplay.
  - Built and configured Auto Settings across games to support seamless switching between manual and automatic play modes.
  - Integrated CI/CD pipelines to streamline development, testing, and deployment cycles.
  - Utilized Kubernetes for container orchestration and optimized deployment scalability.
  - Collaborated closely with backend and QA teams to troubleshoot bugs, perform unit testing (using Vite Test), and ensure feature completeness.
  - Leveraged Module Federation to enable micro frontends and modularize large feature sets efficiently.

- **Project: HappyToFun (Loyalty & Rewards Platform)**
  Technologies: JavaScript, Typescript,React.js, Redux, Node.js, Express.js, REST APIs,MongoDB,Cloud/DevOps: Microsoft Azure, Terraform, Jest
  Role: Team Lead & Full Stack Developer
  Duration: July 2021 – December 2021
  Description:
  HappyToFun is a networking-based loyalty and rewards platform designed to enhance user engagement by simplifying visits and enabling users to collect points that unlock various rewards. The system streamlines user experiences across merchants and platforms through intuitive interactions and reliable reward tracking.
  Responsibilities:
  - Led a cross-functional development team, overseeing both frontend and backend development efforts.
  - Developed and integrated RESTful APIs for managing rewards, user points, transactions, and merchant data.
  - Architected and implemented React.js components with Redux for predictable and maintainable state management.
  - Managed MongoDB schema design, aggregation pipelines, and indexing for performance optimization.
  - Utilized Azure cloud services for deployment, storage, and monitoring of application infrastructure.
  - Used Terraform to automate infrastructure provisioning and manage Azure resources as code.
  - Conducted code reviews, sprint planning, and collaborated with stakeholders to align feature development with business goals.
  - Ensured high-quality delivery through agile practices, continuous integration, and thorough testing.

- **Project: HR2day (Enterprise HR & Multi-Site Management Platform)**
  Technologies: Angular 11, Node.js,Typescript, Jest, MongoDB, CI/CD, AWS (EC2, S3, RDS, Lambda)
  Role: Team Lead & Full Stack Developer
  Duration: August 2020 – July 2023
  Description:
  HR2day is an enterprise-level HR platform designed to manage human resources, operations, and business scalability across multiple sites. It enables organizations to penetrate new markets and efficiently manage teams at a global level with centralized data and workflow automation.
  Responsibilities:
  - Led the architecture and development of the platform, managing a team of developers and coordinating with business stakeholders.
  - Developed dynamic and responsive UI components using Angular 11, optimizing user experience across modules.
  - Built scalable REST APIs with Node.js for HR workflows, user management, and data analytics.
  - Designed and managed MongoDB collections and queries for optimized performance and data consistency.
  - Implemented CI/CD pipelines to automate testing and deployments, reducing manual overhead and release time.
  - Deployed and managed services on AWS including EC2, S3, RDS, and Lambda, ensuring high availability and fault tolerance.

- Coordinated with QA and DevOps teams for effective sprint deliveries, testing coverage, and release cycles.
- Provided technical mentorship, code reviews, and handled task delegation and project planning.

- **Project: Vexma (Business Process Automation Platform)**
  Technologies: Laravel, JavaScript, Vue.js, PostgreSQL, REST API
  Role: Team Lead & Full Stack Developer
  Duration: January 2022 – October 2023
  Description:
  Vexma is a web-based platform designed to automate and streamline key business processes, including CRM, quotation generation, order management, and project scheduling. The platform centralizes operational tasks to improve efficiency and coordination across departments.
  Responsibilities:
- Led the design and development of core modules like CRM, quotation, order, and project scheduling.
- Built secure and scalable REST APIs using Laravel for data interaction between frontend and backend.
- Developed interactive and user-friendly interfaces with Vue.js and JavaScript to enhance usability.
- Managed PostgreSQL database schema design, optimizing queries for faster data retrieval and reporting.
- Collaborated with stakeholders to gather requirements, deliver features in sprints, and refine functionality through feedback loops.
- Provided mentorship to junior developers and ensured adherence to coding standards and project timelines.
- Played a key role in project planning, sprint execution, and cross-functional coordination.

- **Project: Eloi App (Multi-Vendor eCommerce Platform)**
  Technologies: Laravel, MySQL, REST API, Vue.js, JavaScript
  Role: Full Stack Developer
  Duration: December 2019 – October 2020
  Description:
  Eloi App is a multi-vendor eCommerce platform that enables the creation and management of a dynamic online marketplace. The system allows multiple vendors to register, manage their own stores, list products, and handle transactions within a centralized ecosystem.
  Responsibilities:
- Developed and maintained key modules such as vendor onboarding, product management, and order processing.
- Created scalable and secure REST APIs using Laravel for seamless communication between frontend and backend systems.
- Implemented Vue.js components for an intuitive user interface and enhanced shopping experience.
- Designed MySQL database structures, queries, and indexes to ensure efficient data handling and optimized performance.
- Integrated role-based access control and vendor-specific dashboards for better user and product management.
- Ensured mobile responsiveness and cross-browser compatibility using modern JavaScript and UI best practices.
- Collaborated with QA for bug fixes and conducted unit testing to ensure code reliability and performance.

- **Project: CG Robinson's (CRM & Driver Service Application)**
  Technologies: PHP, CodeIgniter, TypeScript, Angular 6, REST API, AWS (EC2, S3, RDS, Lambda)
  Role: Full Stack Developer
  Duration: July 2019 – August 2020
  Description:
  CG Robinsons is a CRM and driver service application designed to manage and schedule field service bookings such as gritting, re-gritting, snow plowing, and hand gritting. The platform supports both administrative operations and driver-side functionality for service execution and tracking.
  Responsibilities:
- Developed and maintained backend logic using PHP with CodeIgniter, ensuring clean and modular code structure.
- Designed and implemented dynamic UI components using Angular 6 and TypeScript to improve user interaction and task flow.
- Built and integrated REST APIs for seamless data exchange between the CRM and driver application.
- Deployed and managed cloud infrastructure on AWS, including EC2, S3, RDS, and Lambda functions.
- Worked on booking workflows, including scheduling, service tracking, and notifications.
- Collaborated closely with QA for testing and validation of driver-side functionality and booking modules.
- Ensured application performance and security by optimizing backend logic and implementing validation mechanisms.

- **Project:Reservation (Livery CRM & Driver Management System)**
  Technologies: JavaScript, AngularJS, Node.js, Express.js, MySQL, AWS
  Role: Full Stack Developer
  Duration: January 2017 – July 2019

Description:

Reservision is a CRM and driver management platform built for livery service providers. It helps streamline ride scheduling, improve fleet efficiency, and enable real-time driver tracking. The system includes both admin and driver-side functionality to ensure end-to-end service flow.

Responsibilities:

- Developed and enhanced features for ride booking, driver management, and customer tracking using AngularJS and Node.js.
- Built scalable REST APIs with Express.js to manage user accounts, ride details, and real-time status updates.
- Integrated IMAP-based email handling for customer communication and automated booking confirmations.
- Implemented real-time tracking of drivers using location services and WebSockets for continuous updates.
- Managed data persistence and optimized queries in MySQL for performance and reliability.
- Deployed and maintained backend services and database instances on AWS infrastructure.
- Worked closely with product managers and QA teams to deliver a stable and efficient solution across devices.
- Ensured cross-platform compatibility, responsive design, and smooth user experience for both web and mobile views.

- **Project: SandnSoil (eCommerce Platform for Bulk Material Delivery)**

  Technologies: CodeIgniter, MySQL, AWS

  Role: Full Stack Developer

  Duration: March 2016 – July 2017

  Description:

  SandnSoil is an online platform designed for the sale and delivery of bulk landscape and construction materials. It enables customers to browse, order, and schedule deliveries of products like sand, gravel, mulch, and soil directly to their location.

  Responsibilities:

- Developed and maintained core functionalities for product browsing, cart management, and order placement using CodeIgniter.
- Designed and optimized MySQL database schemas to handle product inventory, order history, and user data.
- Integrated secure payment gateways and order confirmation workflows for a smooth customer experience.
- Implemented delivery scheduling features with area-based restrictions and dynamic pricing logic.
- Deployed application components and storage solutions on AWS, ensuring scalability and uptime.
- Collaborated with designers and testers to enhance usability and conduct end-to-end quality assurance.
- Provided maintenance support and bug fixes to ensure platform stability and performance.

- **Project: Weed Rewards (Dispensary Loyalty Program)**

  Technologies: CodeIgniter, MySQL, AWS

  Role: Full Stack Developer

  Duration: January 2016 – December 2018

  Description:

  Weed Rewards is a dispensary-based loyalty program platform designed to enhance customer retention by rewarding users for their visits and purchases. Users can sign up, earn points, and redeem them for exclusive rewards and discounts.

  Responsibilities:

- Developed and maintained user registration, point tracking, and reward redemption modules using CodeIgniter.
- Managed backend processes and MySQL database queries for fast and reliable point calculation and reward assignment.
- Integrated user-friendly dashboards for customers and administrators.
- Deployed and maintained application components on AWS, ensuring security and scalability.
- Worked on scheduled reward notifications and promotional campaign automation.
- Ensured mobile-responsive design and seamless user experience across all devices.

- **Project: RCCG Canada (Church Donation & CRM Platform)**

  Technologies: CodeIgniter, MySQL

  Role: Full Stack Developer

  Duration: November 2015 – March 2016

  Description:

  RCCG Canada is a web-based platform developed for managing online church donations and maintaining congregation member data. The platform supports one-time and recurring donations, along with basic CRM functionalities for church administrators.

  Responsibilities:

- Designed and implemented donation workflows, allowing both single and recurring payments via the platform.
- Developed secure and user-friendly admin panels to manage member details, donations, and reports.
- Managed database design and optimized MySQL queries for performance and reporting.
- Ensured secure handling of financial data and user credentials using backend validation and encryption practices.

- Supported testing and debugging to deliver a stable and reliable platform.