

Vishal Kumar, B.E.

Lead

Summary	Lead with 8+ years of hands-on full stack web development experience in PHP, Silverstripe, Laravel, CodeIgniter, JavaScript, Node.js, jQuery, Bootstrap, Electron, WebRTC, MySQL, GIT, Linu. Ability to work independently, has led small team projects which required research and development, and delivered successfully with good client feedback. Has worked with ReactJS and GraphQL.
Skills	PHP, Silverstripe, Laravel, CodeIgniter, ElectronJS, WebRTC, Node.js, JavaScript, Bootstrap, REST API Development, SQL Query Optimization, OO PHP, PHP Sockets, Workerman, MySQL, GIT, Linux commands, HTML5, AJAX, Authorize.NET, SSH, Postman. NodeJS, ReactJS
Education	B.E.– CSE (2014), Birla Institute of Technology, Mesra.
Experience	Software Engineer, September 2014 - Present
Recent Projects	Managing Development Lifecycle of Youth Growth Monitoring App: I led my team in designing and developing a youth growth monitoring app, enabling coaches to create groups, add players, and manage training sessions (e.g., swimming, strength training). The app also tracks player progress across various performance metrics. Particulars: <i>NodeJS, Linux(Ubuntu), React Native, MongoDB</i>
	Managing Development Lifecycle of Team Management App: I led my team in designing and developing an app that allows coaches to create teams, add players, and set up football training tracks. The app also enables player and coach interactions. Particulars: <i>NodeJS, Linux(Ubuntu), React Native, MongoDB</i>
	Social Browsing: Designed and Developed a Desktop App from scratch using Electron with an integrated browser section which users can share with friends through a group, along with browser share users can communicate via audio/text chat. WebRTC was used to allow users of a group to be able to share audio/screen. S3 buckets were used to store images. Database was hosted over MongoDB Atlas Cloud. Socket Server is managed via an EC2 instance to act as chat server as well as WebRTC signaling server. Particulars: <i>Linux(Ubuntu), REST, AWS, NodeJS, Node Sockets(socket.io), Express.js, Electron, WebRTC, MongoDB, Pinterest API, jQuery, JWT, GIT.</i>
	Handling socket server requests using workerman: Worked on a PHP socket server integration/setup using Workerman. Worked on server to client connection and data transfer with java socket clients. Implemented Workerman heartbeat feature to check inactive connection details. Researched the working and communication of web and client sockets using workerman. Understanding behavior of child/parent process in workerman socket server. Extended the behavior of the workerman and its processes with the supervisor. Implemented feature to send messages to all java service clients at midnight to update their services. Extended auto update feature, so that auto update messages to java services can be sent any preferable time. Particulars: <i>Linux(Ubuntu), REST, AWS, Workerman, PHP Sockets, PHP, MySQL, jQuery, GIT.</i>

	<p>Summer Camp Activity Management System: Developed a generic standalone, reusable platform/module for Camp Management systems from scratch which allows users to register themselves and also allows them to sign up their kids to take part in Camp Activities. The Admin Section manages the data of Students/Parents, Payment Details. The system allows users to register/login and then search for available classes/activities based on kids age and then asks for payment based on predefined prices. Implemented the Login/Registration process. Integrated datatables and its related functionalities/customizations. Implemented a centralized dashboard for the super admin to manage various features of the application, where the admin can customize each application instance/setup of the system by switching features ON/OFF.</p> <p>Particulars: <i>Linux(Ubuntu), jQuery, PHP, MySQL, CSS3, HTML5, Bootstrap 3, Datatables, GIT.</i></p>
	<p>E-commerce Platform for Security Cameras: This application is a platform to let users Rent/Buy from a set of Camera Products and Accessories. The Application has a very specific workflow, where users can submit a request to rent/buy a number of products, which moves through different Administration levels of Approval/Denial of the request and payments. Contributed in Requirement gathering/Requirement Change Analysis, Design and Development of the system. Worked on providing a proper workflow of the whole sell/rent process keeping different user/administrator roles in consideration. Worked with Datatables to provide a proper view of all the buy/sell requests. Worked with Authorize.net API for payments. Worked on structuring the UI for the app using Bootstrap 3 and used Bootstrap form validation. Researched and worked on reviewing basic security loopholes in the application and improving request/query time for tuning application performance. Setup and configured vagrant for managing different server environments for different application instances.</p> <p>Particulars: <i>Linux(Ubuntu), jQuery, PHP, Laravel, MySQL, CSS3, HTML5, Bootstrap 3, Datatables, Authorize.NET Payment API, Vagrant, GIT.</i></p>
Languages	Fluent in English and Hindi
Interests	Generative AI
Contact	+91-7608044540
Email	vishal.kumar.6121@gmail.com
Address	H 67, Mansarovar Enclave, KathalMore, Guava, Ranchi 834005