

Ashwani Tayal

AVP / Solution Architect / Software Engineer

Email: love2ashwani@gmail.com, ashwani.tayal1990@gmail.com

Phone: +91 98111 99110

LinkedIn: [linkedin.com/in/ashwanitayal/](https://www.linkedin.com/in/ashwanitayal/)

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Professional Summary

An accomplished Software Engineer with over 12 years of experience in Web Application Development, specializing in PHP with Yii Framework, MySQL, CI, APIs, jQuery, JavaScript, NodeJS, Microservices, and AWS. A team-oriented player with strong interpersonal skills, self-motivated, and possessing extensive knowledge of the Software Development Life Cycle. Proven track record in delivering high-quality solutions and managing complex projects from concept to completion.

Technical Skills

- **Languages:** PHP with Yii, API development in PHP & NodeJS, MySQL & MongoDB
- **Web Technologies & Servers:** PHP, Yii Framework, CI Framework, HTML, CSS, JavaScript, jQuery
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Operating Systems:** Windows, Linux Ubuntu
- **Cloud:** AWS, Azure
- **Methodologies:** Object-Oriented Programming (OOP), Database Management System (DBMS), Model View Controller (MVC)

Education

Degree	Institution	Year	Percentage
M.Tech in Computer Science and Engineering	School of PG Engineering, Bahadurgarh (Maharshi Dayanand University), Rohtak	2012-2014	72.59%
B.Tech in Information Technology	Laxmi Devi Institute of Engineering and Technology, Alwar (Rajasthan Technical University)	2007-2011	74.24%

Work Experience

Employer: Primus Partners

Role: Assistant Vice President

Tree Web Application

Details: Developed for the PWD department in Maharashtra, this application monitors tree plantation and growth. Built using PHP Yii2 and PostgreSQL, the application supports MIS components and features an analytics dashboard with geotagging of planted trees and their images.

PMIS (Project Management Information System)

Details: A web application designed for the Ministry of Health and Family Welfare (MoHFW) to monitor the progress of infrastructure and medical projects managed by various agencies. This application facilitates project planning and receives regular updates from ground staff, validated by respective agencies.

Alert Management System

Details: A web-based application that generates and escalates alerts to various government officials based on predefined conditions. The system includes a dashboard for analyzing responses to alerts and is integrated with the IIHP Platform.

LIMS (Laboratory Information Management System)

Details: A web-based application designed for various laboratories under the National Centre for Disease Control (NCDC). This system digitizes existing testing processes and facilitates the sharing of results with concerned officers. It is also integrated with the IIHP Platform.

POE (Port of Entry) Application

Details: A mobile-based application used for collecting questionnaire-based responses from field officers in airport areas for surveillance purposes. APIs are developed for integration with mobile applications, and the system is integrated with the IIHP Platform.

Responsibilities:

- Leading development efforts across various projects, ensuring alignment with client requirements and project goals.
- Managing and coordinating the development team to ensure timely and efficient delivery of project milestones.
- Architecting applications to meet performance, scalability, and security requirements.
- Overseeing seamless integration of applications with relevant platforms, ensuring interoperability and data consistency.

⚙️ Critical River (June 2023 – October 2023) [\(Click to expand\)](#)

Employer: Critical River

Client: Shapeways

Role: Senior Software Engineer

Short Description: During my tenure at Critical River, I was deeply involved in the development and maintenance of e-commerce web applications for Shapeways. My role included integrating these applications with platforms such as Etsy and Shopify to enhance their functionality and reach. My contributions played a key role in expanding Shapeways' online business presence and ensuring a seamless shopping experience for customers.

Responsibilities: Development and maintenance of e-commerce web applications, integration with Etsy and Shopify, and contributing to the growth and expansion of online business presence.

⚙️ Tata Medical and Diagnostics Ltd (Jan 2022 – June 2023) [\(Click to expand\)](#)

Role: Senior Software Engineer

Projects:

✔️ **AMR (Antimicrobial Resistance Surveillance):** Developed a web application for collecting lab test data from labs and hospitals through various methods including APIs, web applications, and Excel bulk uploads. The application created comprehensive analyses with multiple filters to aid experts in formulating treatment guidelines. Responsibilities included development, maintenance, and creation of analytics modules based on data from across PAN India.

✔️ **Konnifel:** Worked on a web application for internships where professors could post internships, and students could apply. Involved in multiple modules including exam management, recommendation systems, and payment gateway integration. As a team lead, managed development tasks, module development, and application architecture.

Responsibilities: Led the development and maintenance of the AMR application, including creating the analytics module. Managed a team for the development of Konnifel, focusing on module development, application architecture, and ensuring smooth integration of various components.

⚙️ Spice Works Ziff Davis (Nov 2020 – Aug 2021) [\(Click to expand\)](#)

Role: Software Engineer SE II

Projects:

- ✔ **Launchpad:** Developed a web application used for lead generation through the analysis of social media data. This project aimed at enhancing the company's marketing capabilities by leveraging social media insights. Responsibilities included full-stack development, ensuring the application's performance and reliability, and contributing to the overall lead generation strategy.
- ✔ **Casper Desktop Application:** Maintained the Casper Desktop Application used for social verification. Ensured its smooth operation and integration with other systems to support the company's verification processes.

Responsibilities: Involved in the full development lifecycle of the Launchpad web application, including design, development, and maintenance. Managed the Casper Desktop Application, ensuring its effectiveness in social verification and integration with related systems.

⚙️ **Velocis Systems Pvt Ltd (Nov 2020 – Aug 2021)** (Click to expand)

Role: Senior Software Engineer

Client: CISCO Systems

Projects:

- ✔ **CNAAP (CISCO NETWORK AUTOMATION & ANALYTICS PLATFORM):** Supported Reliance Jio in managing their network devices using CNAAP, a cutting-edge platform from CISCO. Responsibilities included development and maintenance of the platform, bug fixing, API development, and full-stack development of new modules. Played a crucial role in the upgrade to 5G network by generating Network Installation Packages (NIP) for network devices, which were instrumental in transitioning the network infrastructure to 5G technology. This project highlighted my technical proficiency and ability to deliver impactful solutions in complex network environments.

Responsibilities: Involved in the full development lifecycle of CNAAP, including bug fixing, API development, and creating new modules. Contributed significantly to the upgrade process to 5G, including the generation of Network Installation Packages (NIP).

⚙️ **Digital India Corporation (Oct 2015 – Nov 2020)** (Click to expand)

Role: Web Developer

Projects:

- ✔ **IIDS (Interactive Information Discrimination System):** Developed a push and pull model for agricultural advisory services. The platform provided area-based agro-advisory to farmers and was deployed in Andhra Pradesh, Telangana, and Northeastern states. It is now launched as Krishi Saarthi, implemented PAN India. Responsibilities included full-stack development of new modules, management of existing modules, and API development for integration with UMANG and Toll-Free Numbers. [Visit Andhra Pradesh & Telangana site](#), [Visit Meghalaya site](#), [Visit Mizoram & Tripura site](#)

- ✔ **QR3CMS (QR Coded Check Post Management System):** A web and mobile-based solution for managing mineral transportation in Meghalaya. It facilitated efficient tracking and management, contributing to transparency and accountability in the mining sector. Responsibilities included full-stack development, management of new and existing modules, API development for mobile applications, and integration of Click2Call functionality using IVRS. [Visit QR3CMS](#)
- ✔ **IPMP (Infra Project Management System):** A web-based tool for monitoring the progress of infrastructure projects in Meghalaya, directly monitored by the Chief Minister. It provided real-time insights into project progress and performance. Responsibilities included full-stack development, management of existing modules, and API development for mobile applications. [Visit IPMP](#)

Environment: PHP with Yii, MySQL

Tools: NetBeans, Mercurial, Bit Bucket, Vim editor, FileZilla

Responsibilities: Spearheaded full-stack development for various projects, including API integration, module management, and stakeholder collaboration. Played a key role in the successful deployment and management of impactful technology solutions for societal benefit.

⚙️ **CDAC Delhi (Sep 2012 – Jan 2013)** [\(Click to expand\)](#)

Role: Software Engineer

Projects:

- ✔ **CeG Web Portal:** Developed a web application to demonstrate e-Governance services and applications to Indian citizens. The portal includes a discussion forum, visit request management, feedback collection, conference registration, and a backend admin module. Managed full-stack development, hosting, security clearance, and other aspects of web development. [Visit the site](#)
- ✔ **Online Quiz:** Created a web application for conducting online quizzes at the Centre for e-Governance (CeG). The application includes features for quiz management, such as adding, deleting, and editing questions, collecting feedback, and displaying results in the admin panel.

Environment: PHP with Yii, MySQL

Tools: NetBeans, Mercurial, Bit Bucket, Vim editor, FileZilla

Responsibilities: Handled full-stack development of the CeG portal and the online quiz application, including administrative functionalities, security, and hosting.

⚙️ **Stratbeans Consulting (Jul 2013 – Sep 2013)** [\(Click to expand\)](#)

Role: Software Engineer

Projects:

✔ **ATP (Autumn Test Pad):** Developed a web application used for training employees and evaluating their performance. The application supports various roles such as Manager, Administrator, and User. It includes features for managing tests and tracking performance metrics.

✔ **Vomozo:** Worked on the development of a web application designed to assist CAT aspirants with their preparation. The application provides various resources and tools to help users in their preparation process.

Environment: PHP with Yii, MySQL

Tools: NetBeans, Mercurial, Bit Bucket, Vim editor, FileZilla

Responsibilities: Addressed new tickets and handled tasks related to enhancing the current application, including both new development and modifications to existing functionalities.

⚙️ **I.I.T. Bombay (Jan 2012 – Nov 2012)** [\(Click to expand\)](#)

Role: Jr. Software Engineer

Projects:

✔ **Automatic Seat Allotment Module:** Developed a module for automatic seat allotment in workshops for IIT Bombay. The module automatically assigns participants to their preferred remote centers based on availability on a first-come, first-served basis. This system was used to manage the allocation of seats across 180 remote centers in India.

✔ **Empowerment for Students:** Worked on the National Mission project aimed at empowering students through synchronous and asynchronous instructions. Involved in validating JSP pages using JavaScript and Java, ensuring robust connectivity with PostgreSQL databases, and maintaining regular database updates.

Environment: Linux, JavaScript, PostgreSQL, Java

Achievements: Contributed significantly to the efficient management of workshop registrations and seat allotments, improving the overall experience for participants and administrators.