

# Debabrata Karfa

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*Technology Leader with 14+ years of experience in agile methodologies, cloud computing, and multi-model architectures. Expert in designing scalable digital experiences and decoupled systems. Skilled in leading cross-functional teams, driving cloud-native development, and implementing headless CMS solutions. Proven track record of delivering innovative, omnichannel digital experiences through agile practices. Strong focus on quality and excellence in project ownership and cross-team management.*

## Executive Summary

- Technical Manager leading Software Engineering, QA, and Management resources on multiple projects within a matrix organization.
- Hands-on technical leadership characteristics in managing high performing software engineering teams in an Agile environment.
- Outstanding skills in integration and development of RESTful APIs and a Martech expert.
- Analytical skills in Object Oriented Programming using PHP, NodeJs, Python, ReactJs, NextJs, Open-Source Content Management System (WordPress, WordPress VIP/Go, eCommerce (WooCommerce), Cloud Environment (AWS, Azure, GCP, DigitalOcean) with DevOps tools (GitHub Actions, Chef, OpsWorks, Docker, Vagrant, Azure Pipelines, Octopus, Jenkins, Gitlab CI).
- Advanced CI/CD pipelines, especially GitHub Actions with Visual Regression Testing (VRT).
- Application Development Manager disciplined enough to work remotely to deliver quality design, development, support of internal tools and dashboards.
- Demonstrated experience with Headless application building using microservices architecture patterns, leveraging and building RESTful API's.
- Delivered integrated architecture solutions that meet performance, usability, scalability, reliability, and security needs.
- Excellent instructing, coaching and mentoring skills to improve performance and employee development.

## Professional Experience

JLLT CoE (Jones Lang LaSalle Property Consultants, Pvt. Ltd.)

### Software Development Manager

September 2020 – Till Date

#### Responsibilities:

- Recruited, hired, coached the team single-handedly by contributing designs, sharing visions, and advocating new ways of doing things.
- Organized the team, established, implemented SDLC processes and fostered the transition to an agile methodology.
- Partnered with Business Executive Leaders and Product Owners to set a technology development and infrastructure strategy that meets a dynamic set of company goals.
- Cultivated cloud extension, migration plans and trained internal development teams.

## Business Skills

- Leadership
- International Teams
- Mentoring
- Time management
- Implementation
- Multi-tasking
- Project Management
- Technology Integration
- Vendor Relations
- Problem Resolution
- Product Management
- SDLC Management (Agile, Scrum)
- Global Account Management
- Stakeholder Engagement
- Performance Administration
- Development Optimizations
- Hiring
- Cross-team management

## Technical Skills

Object-Oriented Development: PHP, Python and NodeJs.

Front-End: HTML5, CSS3 (SCSS), JavaScript, ReactJS, NextJS.

Back-End Frameworks: Laravel, Slim, Express.js.

Architecture Models: Microservices Architecture, Headless, Model-View-Controller (MVC), Domain-Driven Design (DDD).

Database Management: MySQL, MariaDB.

NoSQL Database: MongoDB, Redis.

Open-Source CMS: WordPress [Gutenberg Block Development, Full Site Editing (FSE) implementation], Drupal.

E-Commerce: WooCommerce, ZenCart.

Web & Security: Web performance testing and optimization, OWASP security principles.

Common Development Tools: Git, SVN.

Containerization: Docker, Kubernetes.

Virtualization: Vagrant.

Cloud Platforms: AWS, Azure, GCP.

CI/CD: Jenkins, GitHub Actions, Azure Pipelines.

Infrastructure as Code: Terraform, Bash, PowerShell, Chef, Puppet.

Methodologies: Hybrid-Agile, Scrum, Waterfall.

Project Management Tools: Jira, Azure Boards, Asana etc.

## Education

### Bachelor Degree in Electronics and Telecommunication Engineering

HiTech Institute of Technology, Aurangabad, India

- Participated in designing, reviewing, providing inputs to the team for security requirements into design and provided inputs to information / data flow complying with Project Life Cycle Methodology in all planning steps.
- Worked on Web Portal, Frontend App, and Other Development using PHP, NodeJS, ReactJS, and FE Tech.
- Developed and managed JLLT, Building Engines, JLL Experience Anywhere, JLL Onboarding online application from scratch and scaled [Site Speed Improvement] it by working closely with the Product team.
- Regularly used the confidential Cloud / Microservices Assessment asset for identifying current level of best-practices adoption, gaps, and roadmap for adoption of cloud / microservices practices.
- Performed development of WordPress Custom Plugins and Themes, Gutenberg Blocks and Patterns based on Design System,, FSE for the in-house development projects, add-on things as per requirement during the interaction with internal team members.
- Solved team-based problems and peer-to-peer code reviews utilizing PHP, JavaScript (jQuery, ReactJS), SCSS.
- Applied Agile methodologies and utilized Azure ADO project management.
- Implemented DevOps scripting for GitHub Actions, Azure Pipelines, Octopus, Vagrant, VirtualBox, Git, Shell Script, and implementation of SonarQube.
- Managed the deployment for Scaling of WordPress Apps using Azure PaaS, Azure MySQL, Azure Storage, Akamai, AppDynamics, ThousandEyes, etc.
- Reiterated and drove positive culture across the software department by encouraging feedback.

Employtech Center India Private Limited dba Rippling, India

## Software Engineer

June 2018 - September 2020

### Responsibilities:

- Guided developers, motivated and led team members by encouraging creativity at work.
- Led building software innovation and development capabilities, while working in balanced teams of Developers, Designers, and Product Managers.
- Interacted with clients to gather and analyze requirements and developed functionality accordingly.
- Provided architectural solutions for Web Portal, Frontend App, and Help Center development.
- Resolved problems utilizing PHP, JavaScript (jQuery, React JS) & SCSS (BEM Methodologies).
- Created WordPress Custom Plugins and Themes for the in-house development project, add-on things as per requirement during interaction with internal team members.
- Executed Agile methodologies and utilized JIRA project management.
- Involved in DevOps scripting for OpsWorks, Chef, Bash development for AWS, Docker, Vagrant, Virtualbox, Git, & Shell Script.
- Ensured management, deployment and Scaling for WordPress Apps using OpsWorks, S3, CloudFront, RDS, AWS Servers etc.

Armentum (A Venture of Kyari Consulting Pvt Ltd), India

## Sr. Web Engineer

March 2017 - May 2018

*PHP and NodeJs based development environment with a team consisting of Backend, Frontend, Mobile Apps, and DevOps Consultants.*

*Projects: Bollywood Bubble, SingledIn, etc.*

### Responsibilities:

- Accountable to provide engineering solutions utilizing PHP 5/7, NodeJS, JavaScript (jQuery, React JS), CSS
- / LESS / SCSS and responsive techniques, MySQL, MariaDB, MongoDB.
- Carried out the development of custom Rest API in PHP and NodeJS on top of WordPress Rest API, and utilized multi-purpose development i.e., Mobile Apps and JS-based front-end framework.
- Wrote software unit and integration tests to deliver 100% WordPress code coverage.
- Used the WordPress Hook and OOP techniques, and various third-party Rest APIs.
- Formulated and build advanced caching techniques for optimally serving content.
- Devised and build WP-CLI commands for automation and bulk tasks along with DevOps tools: Docker, Vagrant, VirtualBox, Git, Shell Script, CI (Gitlab CI, Jenkins).
- Utilized Active Collab project management and Agile methodologies.

Penske Media Corporation, India

## Sr. Software Engineer

August 2016 - January 2017

*PHP (WordPress & Laravel) development in VIP / VIP Go multi-site platform*

### Responsibilities:

- Problem solver for team and peer-to-peer code reviews.
- Administered Agile methodologies and utilize Jira project management.
- Oversaw web problems utilizing PHP, JavaScript, SCSS, and Responsive techniques.
- Successfully improved WordPress and Laravel frameworks, MVC and OOP techniques, and various APIs.
- Managed Google AMP for all LOB websites.
- Designed and build WP-CLI commands for automation and bulk tasks.
- Exercised on WordPress VIP, VIP GO, and Digital Ocean platform.



Appealing Studio, Inc., India

## **WordPress Developer**

May 2015 - May 2016

### *Responsibilities:*

- Accomplished the development of WordPress Theme from Scratch and WordPress Plugin.
- Modified Themes, Plugins, and integrated REST / SOAP API development.
- Completed day to day tasks assigned by the Project Management System.

Innoberry Technologies, India

## **Sr. PHP Developer**

September 2011 – December 2014

*In-house and a client project*

### *Responsibilities:*

- Functioned as a developer for web applications using PHP Object Oriented Programming (OOP's).
- Achieved SEO & CMS Development on WordPress, Drupal, Joomla, and Zencart.
- Integrated Social media platforms and updates.

CyberPoint, India

## **PHP Developer**

June 2010 – August 2011

*eCommerce Website Development, which dealt with Payments from Customers & Shipping of products to Customer's Addresses after successful payments were approved by the Website Administrator.*

### *Responsibilities:*

- Customized changes to match client requirements for CMS using Object Oriented Programming [OOPs], where they published the latest update & details of the Company's profile.
- Consistent use of Perl for Search Engines.
- Web developer using Joomla CMS for Corporation website & regular updates from them.
- Gained knowledge of SEO's like keywords: analysis, meta keywords analyzer, title tag, keyword density for On-Page SEO and Backlink building, Social networking bookmarking, Blog & forum commenting for Off-Page SEO.
- Creator of SEO-based theme.