

Prasanta Kumar Sahoo

Sr. Software Engineer

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PROFESSIONAL SUMMARY

Versatile and results-driven Senior Software Developer with over 12+ years of experience specializing in **Python (FastAPI, Django)** and **PHP (Laravel, CakePHP)**. Proven expertise in building robust, scalable, and secure backend systems, with hands-on experience in designing **RESTful APIs, microservices, and database-driven** applications. Skilled in managing the complete software development lifecycle in **Agile/Scrum and Kanban** environments. Experienced with cloud platforms (**AWS SERVICES**), application security best practices, and DevOps tools for CI/CD automation. Possess working knowledge of frontend technologies, including **JavaScript** frameworks like **Angular** and **React**, enabling seamless integration and effective collaboration with frontend teams. Known for mentoring teams, optimizing application performance, and delivering high-quality solutions on time.

EXPERIENCE

LearningMate Solutions Pvt. Ltd.

SR. SOFTWARE ENGINEER

Mar 2018 - May 2025

Key Responsibilities:

- Participated in requirement gathering, system design, and development phases.
- Detailed Analysis & Design document and Technical document for the modules identified
- Developed and maintained applications using Python (FastAPI and Django) and PHP (Laravel) ensuring scalability and performance.
- Worked with AWS services such as S3,SQS,SNS,Lambda and EC2, and integrated Jenkins for automated CI/CD workflows.
- Automated builds and deployments using Jenkins across multiple environments.
- Actively used **Git** for version control and **GitHub** for collaborative code management, pull requests, issue tracking, and CI/CD integration

SKILLS

Programming Languages & Frameworks

Languages: Python, PHP,JavaScript, HTML,CSS

Frameworks: Python with FastAPI and Django , Laravel, CakePHP, Node.js with ExpressJS, React.js, Angular, Smarty

Databases

Relational: MySQL,PostgreSQL SQL Server

NoSQL: MongoDB

Authentication & Security

OAuth 2.0, JWT Token

Cloud & DevOps

AWS Cloud Services

Docker, Kubernetes

Jenkins, CI/CD Process

SonarQube

Testing

PHPUnit

Pytest

Version Control & Collaboration

Git, SVN

SourceTree for GitHub

Project 1: Frost & LOR Next Generation (Kadal Product)

An Enhanced Content Management System with modern AI-powered Learning Object Repository (LOR) that enables publishers and universities to create course content using LLM-based chat models and distribute it seamlessly to multiple Learning Management Systems (LMS). The system supports granular learning object management, taxonomy-based tagging, and intelligent content discovery for efficient LMS integration. Built using Python (FastAPI) for backend services, React.js for frontend modules, Node.js for supporting microservices, and MongoDB for data persistence. Deployed on AWS with Docker containerization, Git/GitHub for version control, collaboration, and CI/CD workflow automation.

Project 2: Frost (Content and Assessment Authoring) + LOR (Learning Object Repository)

Developed a content management system comprising **Frost** for content and assessment authoring with export/import features supporting LMS platforms, and **LOR** for storing, tagging, and retrieving learning objects. Implemented taxonomy-based metadata to enable efficient content reuse and discovery. Built using **Python (Django + FastAPI)**, **Angular**, **PostgreSQL** and **AWS services**. Utilized **Git** and **GitHub** for version control, collaboration, and CI/CD automation, and employed **Docker** for containerization and deployment.

Project 3: QUAD – Question Authoring and Delivery

An end-to-end assessment platform for K12 education, enabling question/item authoring, collaborative workflows, assessment delivery, and reporting. The platform is built using **Python (FastAPI)**, **Node.js**, **AngularJS**, and **MySQL**, and is deployed on **AWS** infrastructure. Integrated with **AWS SQS**, **EC2**, and **Jenkins** for asynchronous processing and CI/CD automation. Used **Git** and **GitHub** for source control, collaboration, and workflow automation, with **Docker** used for containerization and deployment.

Experisit

Vendor Location: LearningMate Solutions Pvt. Ltd.

SR.PHP WEB DEVELOPER

Oct 2017 - Mar 2018

Key Responsibilities:

- Involved in requirement gathering and design phase and development
- Participated in requirement gathering and system design.
- Developed features and performed unit testing.
- Executed project using Agile methodology.
- Conducted root cause analysis, peer code reviews, and stakeholder coordination.

IDEs & Editors

VS Code, NetBeans IDE,
Sublime Text,
TextPad, NotePad++

Database Tools

SQLyog, HeidiSQL, MySQL
Workbench, DBeaver

File Transfer Tools

FileZilla, FTP Client

Software Development Methodologies

Agile, Scrum, Kanban,
Waterfall, JIRA

EDUCATION

B.Tech in Computer Science & Engineering

Silicon Institute of Technology,
BPUT, Bhubaneswar | 2011

CGPA: 7.61 / Percentage: 71%

Diploma in Computer Science

BSET, Barapada, Bhadrak —
SCTE&VT | 2007

Percentage: 71.64%

10th Standard

BC High School, Tentei,
Balasore — BSE,
Odisha | 2004

Percentage: 61.73%

Project 1: QUAD – Question Authoring and Delivery

An end-to-end assessment platform for K12 institutions that supports item authoring, collaborative workflows, assessment delivery, and reporting. Integrated with SQS, AWS Lambda, and Jenkins, and developed using PHP (Laravel), MySQL, Node.js, and AngularJS. Used **Git** for source control and **GitHub** for code repository, collaboration, and workflow automation (CI/CD).

Mass Software Solutions

SR. PHP WEB DEVELOPER

Jun 2017 - Aug 2017

Key Responsibilities:

- Performed requirement analysis, system design, and development.
- Collaborated with business analysts and clients to gather and clarify requirements.
- Lead a small team of junior/mid-level developers and provided technical guidance.
- Handled coding, unit testing, and Agile-based execution.

Project 1: E-commerce & Marketplace Site Development

Developed a feature-rich E-commerce and marketplace platform using CakePHP and MySQL.

Navigator Software Pvt. Ltd.

SR. PHP WEB DEVELOPER

Mar 2016 - Apr 2017

Key Responsibilities:

- Performed requirement analysis, system design, and development.
- Collaborated with business analysts and clients to gather and clarify requirements.
- Lead a small team of junior/mid-level developers and provided technical guidance.
- Handled coding, unit testing, and Agile-based execution.

Project 1: E-commerce & Marketplace Site Development

Developed a feature-rich E-commerce and marketplace platform using CakePHP, AngularJS, OpenCart and MySQL.

PERSONAL DETAILS

Date of Birth: 30-Dec-1988

Gender: Male

Nationality: Indian

Languages: English, Hindi, Oriya, Bengali

Marital Status: Married

Hobbies & Interests: Reading, Listening to Music, Net Surfing

PAN Number: DJHPS0736N

Aadhaar Number: 5072 6012 7619

Luminous Infoways Pvt. Ltd.

PHP WEB DEVELOPER

Jun 2015 - Mar 2016

Key Responsibilities:

- Handled requirement analysis, design, development, and unit testing.
- Collaborated with business analysts and clients to gather and clarify requirements.
- Participated in sprint planning, task estimation, and Agile execution.
- Handled coding, unit testing, and Agile-based execution.

Project : E-commerce & E-Governance Platform

Developed a feature-rich E-commerce and marketplace platform using CakePHP, AngularJS, OpenCart and MySQL.

Interfinet Technology Pvt. Ltd.

PHP WEB DEVELOPER

Jun 2012 - Jun 2015

Key Responsibilities:

- Handled requirement analysis, design, development, and unit testing.
- Collaborated with business analysts and clients to gather and clarify requirements.
- Participated in sprint planning, task estimation, and Agile execution.
- Handled coding, unit testing, and Agile-based execution.

Project : E-commerce Site Development

Developed and customized E-commerce websites and web pages using various CMS platforms, focusing on dynamic UI, shopping cart functionality, and responsive design. using Core PHP, PrestaShop, OpenCart, Drupal, WordPress, Magento, JavaScript, Mysql