

Kalyanakannan Padivasu

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Accomplished Senior Software Engineer with 8+ years of expertise in Python, PHP, Node.js, AWS, and Terraform, specializing in developing scalable solutions. My focus is on delivering high-quality, efficient software that meets the dynamic needs of businesses, ensuring reliability and performance in every project undertaken.

Work Experience

Anvai, Remote – Senior Software Engineer 08/2022 - Present

Technologies Used: Python(Django), AWS, Terraform, MongoDB, MySQL

- Developed and launched PromptHub, a centralized platform for aggregating various prompts, enhancing user accessibility and interaction.
- Implemented semantic search functionality across a vast data corpus, enhancing search precision and relevance.
- Implemented BYOK (Bring Your Own Key) strategy to enhance data encryption, ensuring heightened security and compliance by allowing users to control their encryption keys.
- Implemented multi-tenancy domain setup on AWS using Terraform, creating scalable and isolated environments for multiple tenants while optimizing resource utilization and security.

Simplilearn, Bengaluru – Technical Lead 04/2019 - 08/2022

Technologies Used: PHP, Node.js, MongoDB, Kafka, MySQL

- We implemented a service provider for SAML login.
- Successfully integrated SonarQube, improving code quality by 25% through continuous inspection and bug detection.
- Deployed Apache Kafka with Node.js to streamline real-time data processing, improving system throughput by 40%.
- Developed a scalable backend order creation module, increasing order processing efficiency by 60%.
- Optimized Firebase read-write operations, reducing operational costs by 20% and enhancing database performance.

Pipingrock, Bengaluru – PHP Developer 08/2018 - 04/2019

Technologies Used: PHP

- Integrated Web Engage event tracking system.

Emerio Technologies, Chennai – System Analyst 08/2017 - 08/2018

Technologies Used: PHP, MySQL

- Led the development of Appointments and Invoice modules on TheraSmart, enhancing operational efficiency by 40%.
- Engineered a robust reminder module for the patient management system, improving appointment adherence by 30%.

Powerupcloud, Coimbatore – Full Stack Developer 05/2017 - 08/2017

Technologies Used: PHP, MySQL

- Developed an intuitive HTML builder for email campaigns, boosting marketing efficiency by enabling the creation of customized emails 50% faster.

TeachEdison, Bengaluru – Full Stack Developer 06/2015 - 04/2017

Technologies Used: PHP(Laravel), Python, MySQL

- Pioneered the TeachEdison platform as the inaugural employee, architecting and developing the system from the ground up, encompassing Courses, Mentoring, and Workshops, which catalyzed the company's launch and user acquisition.
- Architected a scalable REST API in Laravel, enabling robust data interchange and supporting the platform's rapid growth.
- Led the integration of state-of-the-art Web Conferencing tools and a secure payment gateway, setting a benchmark for online education platforms in terms of functionality and user trust.

Skills

Python , PHP , Terraform, Node.js, AWS, Kafka, MySQL, MongoDB

Education

Coimbatore Institute of Technology, Coimbatore – MCA 06/2010 - 04/2013