SELVACANABADY P

Chennai, India

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SKILL SET

- **Programming**: Python, PHP, Javascript, Ruby
- **DevOps**: Git Actions, Docker, AWS
- **Web Stack**: React, Next.js, Vue
- **CMS**: Wordpress, Joomla, Drupal

WORK EXPERIENCE

Cloudtree Innovative Technologies **Puducherry**

Director of Engineering & Co-Founder Nov 2020 – Present

Annapurna Hospital Nov 2019 – May 2022

- Led the end-to-end customization of OpenEMR to support hospital-specific workflows, including patient intake, triage, treatment, and discharge.
- Developed and integrated custom modules for in-patient tracking, surgery scheduling, and lab result reporting.
- Optimized system performance and data integrity for 10,000+ patient records across multiple departments.

Wellth Aug 2015 – Oct 2019

- Architected IoT Medical Ecosystem — Led the development of a proprietary medical kiosk platform, utilizing the Phalcon PHP (MVC) framework for high-performance, low-latency data processing.
- Low-Level Hardware Integration — Developed a custom PHP C-Extension to facilitate real-time communication between the web layer and C-based hardware libraries.
- Medical Data Acquisition — Engineered the interface for capturing and processing biometric data from medical-grade sensors, including Body Fat percentage, BMI, and Blood Pressure.
- Performance Optimization — Selected Phalcon for its C-extension architecture to minimize memory footprint and maximize execution speed on kiosk hardware.
- Strategic Leadership — Managed the full product lifecycle from R&D and hardware benchmarking to final deployment in clinical and public environments.

Independent Consulting Practice **Remote**

Principal Consultant Nov 2013 – Aug 2015

- Niche Retail Storefront — Engineered a fully responsive e-commerce platform using WooCommerce 2.1, integrating automated inventory tracking and localized payment gateways.
- Membership-Based Catalog — Developed a secure portal using WooCommerce Memberships, allowing restricted access to premium educational content and digital downloads.
- Scalable Marketplace Migration — Led the migration of a legacy static site to a dynamic WordPress-WooCommerce hybrid, resulting in a documented increase in organic traffic and mobile sales.

Lead Web Developer Dec 2010 – Oct 2013

- Version Migrations - Successfully migrated client sites from the legacy Joomla 1.5 framework to Joomla 2.5 (LTS) and Joomla 3.x, ensuring database integrity and extension compatibility.
- Responsive Web Development - Pioneered mobile-friendly site development in 2012–2013 by leveraging Joomla 3.0's native Bootstrap integration, a first for major CMS platforms at that time.
- Multilingual Site Architecture - Built global-ready websites using Joomla's native multilingual support, managing translation packs for up to 70+ languages.

CMS & ERP Administrator Aug 2008 – Nov 2010

- Directed the digital transformation for K-12 institutioness by migrating core administrative tasks (admissions, fees, and grading) from Drupal to Fedena ERP
- Optimized the student lifecycle by implementing Fedena's Course & Batch management, replacing manual entry workflows in the legacy Drupal CMS.
- Integrated Payment Gateway APIs within Fedena to automate fee collection, resulting in a 30% increase in on-time payments.

- Provided training to 50+ staff members on navigating the transition from Drupal-based webforms to Fedena's unified dashboard.

Drupal Developer Jun 2005 – Jul 2008

- Drupal-based CMS solutions for 10+ regional clients, specializing in educational portals and small business e-commerce sites
- Spearheaded the redesign of a local school website using Drupal 6, integrating searchable course directories and parent-teacher communication portals.
- Optimized site performance for high-traffic periods, achieving a 30% reduction in page load times via Varnish and custom caching strategies.

Tata Communications **Mumbai**

Manager (Engg.) Aug 2002 – May 2005

- Led engineering operations at VSNL's premier Internet Data Center (IDC) in Vashi, serving enterprise clients with hosting, co-location, and managed services.
- Designed and developed a customer and administrator-facing IDC web portal, enabling real-time access to service dashboards, support tickets, and billing information.
- Supervised a team of engineers responsible for 24/7 data center operations, change management, and incident resolution.
- Streamlined server provisioning processes by introducing automation scripts and centralized asset management systems.

Videsh Sanchar Nigam Limited (VSNL) **Pune**

Manager (Engg.) Apr 2001 – Jul 2002

- Promoted from Senior Engineer to Manager to head IT operations in the VSNL Arvi region.
- Supervised all regional IT infrastructure, including networking, servers, and communications systems.
- Led a cross-functional team of engineers to support internet services, leased line connections, and internal VSNL systems.
- Oversaw the upgrade of legacy infrastructure and aligned local IT operations with national VSNL standards.

Senior Engineer Jan 1998 – Mar 2001

- Played a key role in expanding VSNL's dial-up internet services in remote locations across Pune District, improving digital access and connectivity in rural regions.
- Developed an in-house payroll accounting system for the VSNL regional office, streamlining salary processing and improving HR efficiency.
- Handled system administration tasks including installation, configuration, and maintenance of operating systems and servers across both Windows and Linux environments, ensuring reliable performance and security.
- Created technical documentation and conducted training sessions for junior engineers and enterprise IT staff

EDUCATION

Pondicherry Engineering College **Pondicherry**

Bachelor of Technology in Electrical and Electronics Engineering Aug 1993 – May 1997