

# DEVARSHI SATHIYA

## Engineering Manager

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## Experience

### rtCamp Solutions Pvt.Ltd

#### Engineering Manager

January 2024 – Ongoing

Remote

- Worked closely with the **CEO** to lead the launch of Python-based product and ERP vertical.
- Defined and implemented **key performance indicators** (KPIs) and **key result areas** (KRAs) to drive team performance and alignment with business objectives.
- Provided strategic technology consultancy to **Fortune 500** media and telecommunications conglomerates, driving significant performance improvements and cost optimizations across their global operations.
- Increased **hiring rate by 6x** with Python-based product Chitragupta.
- Reduced environment creation time from **4 hours to a few minutes** by leading the design and implementation of Frappe-Manager, a solution built with Python and Docker

#### Senior Systems Engineer

January 2023 – January 2024

Remote

- Led software design and development for a cross-functional team**, consistently delivering projects on time, within budget, and exceeding client expectations.
- Implemented observability stack** utilizing New Relic, Prometheus, and Grafana, along with a customized Node Exporter for enhanced monitoring and alerting.
- Improved server and application performance** by strategically scaling, sharding Databases, updating Linux sysctl parameters and optimizing MySQL configurations using MySQLTuner. Proactively identified and addressed performance bottlenecks through rigorous load testing (K6, WRK) and profiling (cProfile, New Relic APM).
- Delivered **zero-downtime** migrations on numerous projects with complex setups.
- Mentored the DevOps and Python teams from initial training to successfully delivering products, high-performance solutions that improved uptime, and reduced deployment times.
- Led interview processes** for Senior DevOps and Web Engineer roles.

#### Systems Engineer

January 2019 – January 2023

Remote

- Managed end-to-end DevOps processes for high-traffic websites, handling **1.8M requests per minute**, including implementing automated WordPress plugin updates and establishing CI/CD pipelines from scratch using GitHub Actions.
- Implemented Kubernetes kOps on AWS with autoscaling and rolling updates for a short term, high-traffic website.
- Successfully **reduced infrastructure costs by 34%** and improved load performance by implementing a custom caching solution using Nginx, LUA, and MySQL optimization.
- Developed new features for EasyEngine, a Dockerized open-source hosting solution for WordPress and LEMP stack. Deployed and managed WordPress and decoupled websites on AWS, Azure, and GCP.
- Written and published blog posts, tutorials, and internal documentation to share knowledge and improve team processes.

## Summary

An Engineering Manager with a 5+ year track record of success, consistently taking full ownership of projects and leading teams to deliver high-impact results. I thrive in collaborative environments, embracing a 'Managers of One' approach when necessary. I'm comfortable with diverse technologies, making sound design and development decisions, and driving impactful hiring and training initiatives.

## Education

### B.Tech. in Computer Science

#### LDRP Institute of Technology and Research

2015 – 2019

Gandhinagar

CGPA : 8.84/10

## Strengths

Hard-working Persuasive Teamwork

Motivator & Leader Problem Solving

Effective Communication Adaptability

Linux Shell Script Python Docker

AWS Nginx MySQL MongoDB

PHP HTML/CSS Kubernetes Ansible

Playwright Git

## Products

### Chitragupta

- Tech stack: Python (Async IO, Scrapy, FastAPI, Typer, GraphQL, Docker)
- Library with Microservice, and CLI wrapper, with ETL architecture to score applications from various APIs and code scanning to identify top talent.
- Fetches data points from GitHub, Stack Overflow, and WordPress APIs and clones repositories to detect libraries, frameworks, Gitleaks to generate score.

### EasyDash

- Tech stack: NextJS, NestJS, Redis, MySQL, Prometheus, Grafana, Node Exporter, Docker
- In house hosting platform for end-to-end life-cycle management of a WordPress site.
- DevOps team support tickets **reduced by 45%** with features like one click ssh access with GitHub, site creation with GitHub CI/CD, ephemeral environment and weekly status updates.