

Vivek Singh

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EDUCATION

COLLEGE OF ENGINEERING ROORKEE (COER)

UTU | B.TECH IN COMPUTER
SCIENCE AND ENGINEERING
Grad. 2018 | Roorkee, India

MODERN ACADEMY

ISC | SR. SECONDARY (XII)
Grad. 2013 | Lucknow, India

SETH MR JAIPURIA SCHOOL

ICSE | SECONDARY (X)
Grad. 2011 | Lucknow, India

SKILLS

TECHNICAL

BACKEND:

•Python •Django •RestAPIs

FRONTEND:

•Javascript •React •Redux

DATABASE:

•MySQL •Django-ORM
•Elasticsearch-DSL

CLOUD:

•AWS-SES •E2E

VERSION CONTROL:

•Git •Github •Bitbucket

WEB SERVER:

•Nginx

WEB SCRAPING:

•Selenium •Beautiful Soup

SERVER AUTOMATION:

•Ansible •Docker

OPERATING SYSTEM:

•Ubuntu (Linux) •Windows

FAMILIER TECHNOLOGY:

•Java •C •C# •DotNET
•PHP •HTML •CSS
•DSA •LaTeX

OTHERS

•Badminton •Basketball
•Yoga •Pianist

EXPERIENCE

4+ YEARS

INDYCIUM TECH. LLP | FULL STACK SOFTWARE ENGINEER

September 2018 - May 2023 | New Delhi, India

In-house product **TvAdIndx** to merge online + offline marketing for brands in India

- Engineered a successful migration from an outdated LEMP Stack to a modern stack, increasing user retention and engagement by 30% :
Backend - Python and Django adopting a Model-View-Controller (MVC) distributed architectural pattern and maintaining clean reusable code with test-driven development (TDD) approach, improving code quality and reusability by 40%.
Frontend - React and Redux using component-based architecture and effective state management, increasing code reusability by 40% and optimizing single-page applications (SPAs) with virtual DOM to minimize actual DOM manipulations, resulting in 30% faster loading and rendering times.
SQL Database - Employed Django-ORM to significantly enhance readability, abstraction, and security of MySQL database while conducting common database operations (CRUD) and optimizing queries with lazy loading, resulting in improved performance and reduction in query execution time by 25%.
NoSQL Database - Integrated Elasticsearch using Django-Elasticsearch-DSL for full-text search and advanced queries such as wildcard searches, phrase searches, range queries and aggregations on huge MySQL tables, improving search efficiency by 25% and decreased response time by many seconds.
Web Server and Hosting - Configured Nginx as a reverse proxy server by directing incoming requests on specific ports for different services, and as a load balancer by distributing incoming requests across multiple servers hosted on Ubuntu(Linux) OS; thus eliminating server overload issues by 50%.
- Developed multiple applications on Python and Django that generated PDF, PPT, and Excel reports for clients, utilizing AWS-SES to send emails and completed projects 20% faster.
- Conducted web-scraping and Facebook-scraping using Python libraries such as Scrapy, Selenium and BeautifulSoup for data collection of Ads on their website, reducing manual efforts by 80%.
- Streamlined code management and collaboration on Bitbucket using Trello, reducing code conflicts by 25% and increasing team productivity by 50%. Also configured pipelines on Bitbucket to automate application deployment.
- Automated server setup and configuration on Ubuntu(Linux) OS using Ansible, reducing setup time by 80%, enabling quick recovery when server goes down. Also set up Cron jobs to automate everyday tasks, saving 10+ hours per week.

TRAINING AND CERTIFICATION

Value Added Training Program on C & C++

July 2017 | RCPL Online

Dot NET with C#

July-August 2016 | CETPA Lucknow, India

PHP with WordPress

June-July 2015 | HPES Lucknow, India

J2EE Struts With Hibernate Framework

June-July 2017 | ORACLE Lucknow, India

PL-SQL Database

March 2016 | CETPA Roorkee, India

Core Java

July-August 2014 | HPES Lucknow, India