YASH VERMA

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Senior Technical Lead with 8+ years building scalable full-stack systems and AI-powered solutions. Deep expertise in Python/Django backend architecture, React frontends, and applied NLP/RAG systems. Led cross-functional engineering teams of 5+ through complex technical initiatives, reducing operational costs and improving customer experience. Proven track record architecting intelligent document processing, agentic AI systems, and automation solutions that drive measurable business outcomes in HR, finance, and enterprise domains.

SKILLS

Python, Django, Javascript, Typescript, NextJS, React, MySQL, PostgreSQL, AWS, GenAI

EXPERIENCE

2024 – Present

Senior Technical Lead , COFORGE

Trinet - Engineering Lead (Data).

- Led development of Intelligent Document Processing as a microservice for the organisation.
- Led a cross-functional team of 5 engineers, managing delivery, mentoring, and enforcing coding standards, CI/CD pipelines, and clean architecture practices
- Reduced response time by 88% by implementing asynchronous background processing with webhook callbacks, significantly improving client experience and system scalability
- Successfully integrated legacy enterprise libraries into the new services, ensuring compatibility while building for scalability and maintainability..
- Collaborated with business and stakeholder teams to define deliverables, demo progress, and ensure project alignment with broader digital transformation goals.
- Working on an agentic RAG application that deals with 10k/10q financial documents.

Stack: Python, LangChain, Vector Databases, FastAPI, React, AWS

2022 – 2024

Lead Engineer, NAVTECH

Wizehire - Full Stack Engineer

- Contributed to enhancing product capabilities and user experiences on Wizehire, a dynamic hiring platform.
- Utilized Python, Django, React with TypeScript, and AWS services for pipeline development and third-party API integration (LinkedIn, Indeed).
- Implemented essential service endpoints in Python for seamless functionality.
- Worked on rebranding effort, created custom reusable typed components to further increase velocity for new features.

Stack: Python, Django, FastAPI, ElasticSearch, React, Typescript, AWS

CFD - Full Stack Engineer

- Led a team of 2 engineers to modernize the project from legacy PHP versions and GoogleAds API to latest versions.

- Brought operational costs down by resizing machines for the database and archiving old data, reducing costs.
- Transitioned from single EC2 machine setup to Kubernetes setup to improve system performance and increase scalability.

Stack: PHP, AWS

2021 – 2022

Software Engineer, REPLICON

Full Stack Engineer
- Contributed to feature development as part of the R&D team at Replicon.

Stack: HTML/CSS, Javascript, React, Knockout JS, C#, Jest

2019 – 2021

MACHINE LEARNING ENGINEER, MAKER'S LAB, TECH MAHINDRA
- Developed a comparison of virus protein atomic structure for identifying possible matches for COVID-19 strain.
- Created an interactive SEIR model forecasting infection spread and recovery rates for states in India and other countries.
- Worked on Tech Mahindra's E-Pass solution for Government of India during lockdown.
- Developed backend for Darpan, an Android app with user authentication and encrypted data backup.
- Built Antarmann, a mental healthcare platform for Mahindra Foundation.

Stack: Python, Django, Flask, HTML/CSS, jQuery

2017 – 2019

SOFTWARE ENGINEER, TECH MAHINDRA, PUNE
- Worked on a consolidated billing application as application analyst and point of contact.

Stack: Microsoft Business Intelligence Tools, SQL

EDUCATION

2025-2026 (Ongoing)

PGPPro, ISB Hyderabad

Area of Specialization: Finance.

2013-2017

B. TECH COMPUTER SCIENCE, NIIT UNIVERSITY

Area of Specialization: Data Science. Courses undertaken: Predictive Modeling, Statistical Inferences, Big Data, Machine Learning, NLP.

CERTIFICATIONS

Neural Networks and Deep Learning
Big Data Modeling and Management Systems, University of San Diego
Big Data Integration and Processing, University of San Diego