LinkedIn   GitHub

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Fullstack **Software Engineer** with **2 years** of work experience, targeting competitive role

Core Competencies

- Excellent communication skills
- Battle-tested leadership skills
- Low-Level & High-Level Design
- Building microservices from scratch
- Custom retention and acquisition experience

Soft Skills

- Collaborator
- Negotiator
- Interpersonal Skills
- Problem Solver

Technical Skills

- **FullStack**
- **Backend**: Node.js, Django, Flask, Python, RESTFul API
- **Frontend**: React.js, Redux, JavaScript, HTML, CSS, npm
- **Machine Learning**: Pandas, NumPy
- **Storage**: PostgreSQL, MySQL, MongoDB, Redis, Kafka, NoSQL, ElasticSearch
- **AWS**: S3, EC2, Lambda, SQS
- **Architecture**: Serverless, Microservices, Monolithic
- CI/CD: Docker, Kubernetes, Git, Github, Jenkins
- **Code Design**: Design Patterns, SOLID Principles, HLD, LLD

Education

- **2021**: B.Tech. in Computer Engineering, Pune University, 9.1 CGPA. Minor in Machine Learning.

- 12th: 88.8% | 10th: 93.1%

Personal Details

- **Date of Birth**: 22nd Nov 1998
- **Languages**: English and Hindi

VISHAL SINGH

Software Engineer | Fullstack MERN + Python/Django + Machine Learning

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Profile Summary

- **Software Engineer** with 2 years of professional experience at **PayU Finance** and **ZS Associates**, specializing in high-quality, scalable, and performant code development
- Devised and implemented features to **detect, log, report,** and **reject** fraudulent users, leading to significant **financial savings** during monthly disbursals
- Designed **Low-Latency, High-Availability Applications, RESTful APIs** with **intuitive and dynamic react.js** powered front end
- Secured **2nd position** as a **team lead** during the **AWS-ZS Learnathon**
- **Proficient** in Fullstack with 2 years experience in
  - **Backend** - Node.js, Python, Django | **Frontend** - React.js, JavaScript, Redux
  - **DB** - MySQL, PostgreSQL, MongoDB, Elasticsearch, Redis
  - **AWS** - AWS Lambda, SQS, EC2, S3, Kubernetes
  - **Message Queuing Service** - Kafka, SQS |**Deployment** - Docker, k8s, Jenkins, CI/CD
  - **Code** & **System Design** - Design Patterns, SOLID, HLD, LLD

Work Experience

Feb'22 - Present

Software Engineer at PayU, Gurgaon

Key Result Areas:

- Developing **high-quality, scalable, and performant code** using TDD for a user base of approximately **10 million** on the **PaySense app**
- Actively working on reducing Redis memory consumption by **13%** to **avoid memory leaks and achieve cost savings**
- Implementing strategies to **decrease latency and improve the overall performance** of the PaySense app
- Devising and implementing features to detect, log, report, and reject fraudulent users, resulting in significant financial savings of **2 to 4 crores** during monthly disbursals
- **Reducing** recurring **production issues** on the core service from **400 to 200 per month** by permanently fixing them using detailed logs
- Used **Machine Learning powered** model to **train and detect** frauds on loan lending applications, **reducing loss** of money in frauds

Jul'21 - Feb'22

Software Engineer at ZS Associates, Pune

Key Result Areas:

- Designed **low-latency, high-availability applications, RESTful APIs, and SQL pipelines** for hundreds of gigabytes of data
- Engaged with 3 to 4 teams on both back-end and front-end to **design analytical tools** power by **Machine Learning** models
- Spearheaded **critical business requirements** in a fast-paced environment for **tens of thousands** of users covering Backend services and Machine Learning models

Jan'21 - Jun'21

Software Engineer Intern at ZS Associates, Pune

Key Result Areas:

- Shipped **1 to 2 features** every month by understanding customer pain points and **improving analytical reports**
- Refactored the **code base with design patterns and SOLID principles**, resulting in a 50% reduction in development time
- Exhibited exceptional performance while leading a team of 3 in the **AWS-ZS Learnathon** focused on **Machine Learning, AWS Lambda, and RDS**, securing the 2nd position

May'20 - Jun'20

Software Engineer Intern at Reach Technologies, Pune

Key Result Areas:

- Engineered multiple major features on a **LinkedIn-like platform**, resulting in an **11%** improvement in user retention
- Produced clean and scalable code using test-driven development practices to develop **RESTful APIs**