

# Vikram Aditya Sinha

## Tech Lead | Full-Stack Developer

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## Career Highlights

- **Led Scalable SaaS Development:** Spearheaded a 15-member team at Credgenics to build a loan collections platform for India's top banks (IDFC, Axis, IIFL), reducing downtime by 95% and scaling to 10M+ monthly transactions.
- **Transformed Fintech Systems:** Re-architected Lendingkart's backend and frontend loan platforms, tripling transaction capacity and streamlining disbursal with 50% fewer data points.
- **Pioneered LLM-Based Innovation:** Developed one of the first LLM content creation tools at Hushl AI (#5 on Product Hunt) using LangChain and GPT APIs, achieving 1,000+ active users organically in the first month.

## About

Dynamic **Tech Lead** and **Full-Stack Developer** with over **6 years** of experience in architecting scalable systems, leading cross-functional teams, and delivering innovative solutions in fast-paced startup environments. Proficient in **Python, Node.js, React**, and microservices architecture, with extensive expertise in **AWS, Kubernetes**, DevOps and LLMs. Passionate about solving complex problems, driving technical excellence, and mentoring teams to achieve business goals.

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## Professional Experience

### Lendingkart

**Tech Lead** | May 2023 – Dec 2024

*Simplifying MSME Finance, Bengaluru, India*

- Led a 10-member team to re-architect the backend for the personal loan platform - Upwards, migrating a 7-year-old monolithic codebase to a microservices architecture using Python, improving transaction capacity by 3x.
- Redesigned and rebuilt the frontend Loan Management System from scratch using Angular, designing a modular architecture that enhanced maintainability and developer productivity.

- Refactored the user-facing frontend to streamline loan disbursement, reducing required data points by 50% and improving user experience.
- Managed end-to-end AWS infrastructure and DevOps operations, including CI/CD pipelines, Dockerized deployments, and monitoring, ensuring robust system performance.
- Collaborated with the Head of Engineering and Product team to align technical roadmaps with business goals, streamlining sprint planning and delivery.

**Key Achievement:** Enhanced system scalability to support 500,000+ monthly transactions while simplifying loan disbursement processes.

## Credgenics

**Tech Lead** | August 2020 – April 2023

*SaaS Platform for Loan Collections and Recovery, Noida, India*

- Led a 15-member team to develop a highly customizable case management system for bank lawyers, adopted by major Indian banks (IDFC, Axis, IIFL), enabling management of millions of legal notices monthly.
- Architected and built a core SaaS platform from scratch to streamline delinquent loan collections and recovery, handling millions of daily requests with Python, Node.js, React, and PostgreSQL.
- Spearheaded the migration of a monolithic backend to a microservices architecture, deploying on AWS Elastic Kubernetes Service (EKS) with Dockerized services and CI/CD pipelines, reducing latency by 40%.
- Redesigned system architecture to support increasing scale, introducing Celery, SQS and later Kafka for efficient messaging, which improved throughput by 50%.
- Managed sprint planning, code reviews, and requirement gathering, ensuring alignment between product teams and clients while maintaining high code quality.
- Conducted 50+ technical interviews for roles including Engineering Managers, Tech Leads, and Senior Developers, strengthening the engineering team.

**Key Achievement:** Enabled scalability to handle 10M+ monthly transactions, supporting growth for India's top banks.

## Hush! AI

**Tech Lead**

*AI-Powered Content Creation Platform, #5 on Product Hunt*

- Developed LLM-based content creation agents using LangChain, integrated with GPT APIs for personalized user content delivery.
- Designed a persona-based content generation system, enabling users and companies to define personas for customized content, with scheduling for automated posting on Twitter and LinkedIn.

- Built scrapers to extract trending topics from Twitter (pre-X) and generate LLM-based content, allowing users to schedule posts aligned with hot topics.

**Key Achievement:** Launched a top-5 Product Hunt product, driving significant early adoption.

## Gamix Labs

**Full-Stack Developer** | July 2019 – July 2020

*Gaming Platform Development, New Delhi, India*

- Designed microservices using Node.js (Express with TypeScript) and deployed them on Google Kubernetes Engine (GKE) cluster created and managed by me.
- Optimized server performance, increasing requests per second (RPS) by 90% through efficient load balancing.

## Spotflik

**Intern, Full-Stack Developer** | July 2018 – January 2019

*AI-Driven Movie Recommendation Platform, New Delhi, India*

- Developed an AI-powered movie recommendation engine

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## Technical Skills

- **Languages:** Python, JavaScript, TypeScript, HTML, CSS, SQL
- **Frameworks & Libraries:** Django, FastAPI, Flask, Node.js, Express, React, Angular, Vue.js
- **Databases:** PostgreSQL, MongoDB, Redis, Firestore
- **DevOps & Cloud:** AWS (EKS, ECS, S3, Lambda, IAM), Google Cloud Platform (GKE), Kubernetes, Docker, Jenkins, Terraform, CI/CD
- **Messaging & Queuing:** Kafka, RabbitMQ, SQS, Celery
- **Concepts:** Microservices Architecture, Data Structures, Algorithms, Scalable Systems Design

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## Education

**B.Tech, Information Technology** | BSAITM, Faridabad | 2015 – 2019

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