

Resume - Vinay Keerthi

Full-stack engineer with 12+ years of experience building web products, Python services, dashboards, data platforms, automation systems, and Rust components. Specialized in React/Vue frontends, FastAPI/Django/Rails applications, product workflows, data pipelines, and AI-enabled products.

Key Skills

- Full-stack: React, Next.js, Vue.js, Capacitor, JavaScript, Plotly.js, dashboards, product workflows, TypeScript SDKs
- Backend: FastAPI, Django, Rails, PostgreSQL, Redis, REST APIs, async services, Celery
- Data/AI: Kafka, PySpark, Airflow, Dagster, Langfuse, RAG, transcript analysis, LLM observability
- Rust: Tokio, Rocket, Clap, PyO3, Serde, validator tooling, internal crates
- Cloud: AWS (S3, EC2, IAM), GCP (BigQuery, Cloud Functions)
- DevOps: Linux (daily driver since 2005), Docker, Kubernetes, CI/CD, Prometheus, Grafana

Featured Product

- [Merrilin.ai](#) - Built Merrillin since **February 2026**, an AI-powered ebook reader that helps readers ask questions across books while avoiding spoilers. Worked across the **React** frontend, **Capacitor** Android/iOS apps, **FastAPI/Celery/PostgreSQL** backend, book-aware retrieval, spoiler-safe answers, and Langfuse observability.

Experience

1990Labs | Lead Engineering Consultant | **Bangalore; Remote** | **Feb 2026 - Ongoing**

- Built [Canvass](#) from the ground up, a full-stack **Next.js** market research marketplace connecting companies with paid research participants.
- Designed product workflows, backend APIs, and operations screens for study intake, participant management, AI moderation, transcript processing, and report building.
- Built AI-led phone, chat, and transcript-analysis workflows that turn raw responses into structured insight reports.

Chatwoot

Lead Engineer | **Bangalore; Remote** | **September 2025 - January 2026**

- Cut down response times by 40% through **PostgreSQL** query optimization - analyzed query plans, identified unused indices, and tuned database configuration.
- Improved **Captain**, Chatwoot's customer-facing AI agent, across **Rails**, **Vue.js**, Langfuse, and Sentry-backed production workflows.

BE Mechanical Engineering (2010)

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ChainSafe

Software Developer | Bangalore | November 2022 - February 2025

- Built **Python** and **Dagster** analytics pipelines feeding **Apache Superset** dashboards for EVM wallet health, cross-chain alerting, and balance tracking.
- Built **Rust** services, internal crates, and CLI tooling for blockchain validators, libp2p networking, event monitoring, and wallet operations.
- Built LLM assistants using **Ollama** and **ChromaDB** for smart contract analysis and project documentation.

Merkle Science

Software Developer | Bangalore | July 2021 - November 2022

- Designed **Rust** ingestion libraries using **Tokio** and **Serde**, with **PyO3** bindings that improved Python pipeline throughput by 10x.
- Prototyped **Kafka + PySpark** pipelines for high-velocity compliance data.
- Maintained the **Django** app behind customer-facing dashboards and compliance rule engines.

VISA Inc.

Sr. Software Engineer - Data Platform | Bangalore | May 2019 - June 2021

- Led **Python** internal tools for secure server orchestration, onboarding automation, and PCI-compliant infrastructure workflows.
- Built a Python CLI-driven deployment framework for the Platform-as-a-Service (PaaS) team, tailored to Visa's internal systems — combining aspects of Ansible with custom workflows.
- Created **Plotly.js** dashboards for engineering productivity and Git activity across global teams.
- Mentored junior engineers and interns; led Python workshops and cross-team code review sessions to standardize engineering practices.

GKN Aerospace India

Software Engineer | Bangalore | December 2015 - May 2019

- Built internal search tools, **React/Vue.js** interfaces, GPU-accelerated **Python** libraries, and CI/CD pipelines.

Flipkart Internet Pvt. Ltd.

Bangalore | February 2014 - December 2015

- Developed **Python** automation tools for image generation, content workflows, and marketing campaigns.

BE Mechanical Engineering (2010)

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