Reinventing Hiring: AI-Driven Resume Screening & Candidate Matching

Transforming recruitment with intelligent automation

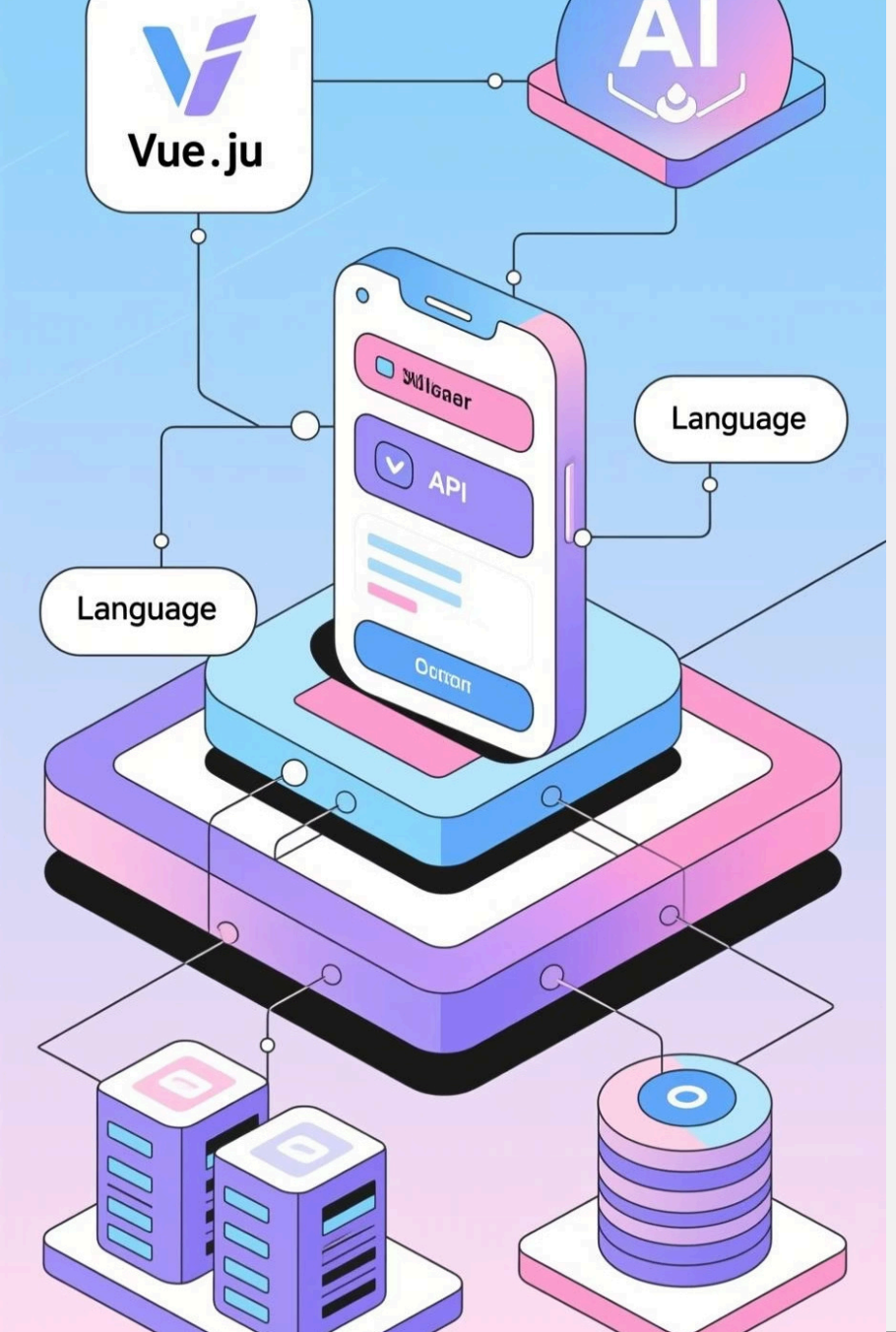
by Team Helinox

Problem & Opportunity

- Manual screening wastes time, introduces bias.
- Keyword filters miss contextual fit.
- High-volume hiring lacks consistency.
- Opportunity: faster, fairer hiring decisions → cost/time savings.

Solution Overview

- LLM-powered resume scoring (0–100) against job descriptions.
- Robust resume parsing (PDF/DOCX) into structured sections.
- Explainable outputs: highlights, missing skills, summaries.
- Secure pipeline: caching, batching, audit logs for compliance.



Frontend

Vue.js app for uploads, JD input, results, and filtering.

Backend

FastAPI / Node.js API for ingestion, parsing, and caching.

LLM & Embeddings

OpenAI/Anthropic or hosted LLaMA; FAISS/Pinecone for pre-filtering.

Storage & Deployment

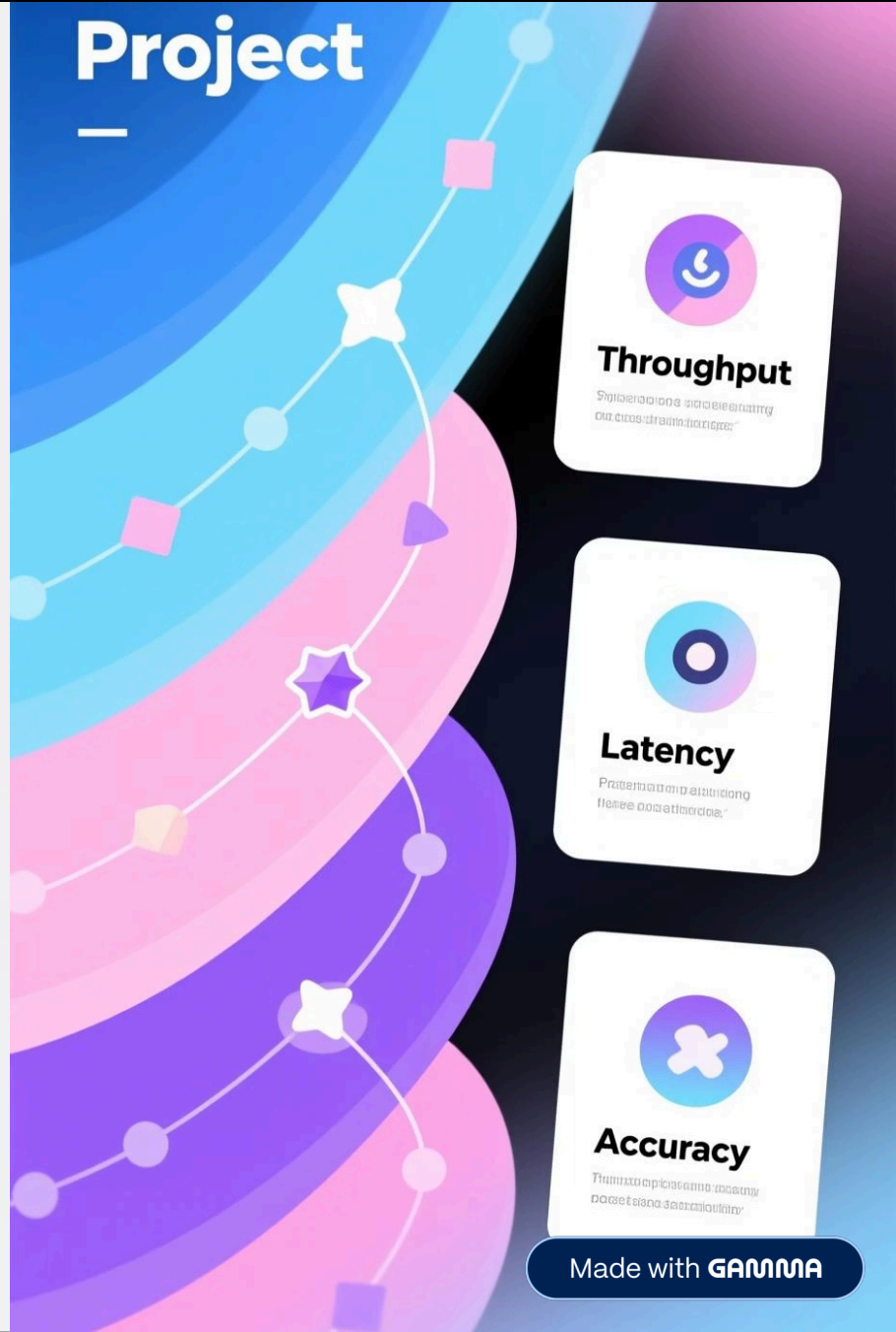
Postgres/MongoDB, Vercel/Render/AWS with env secrets & RBAC.

Roadmap: 16-Week MVP

- **Weeks 1–4:** Planning, dataset collection, robust parsing.
- **Weeks 5–10:** Backend/LLM integration, prompt tuning, frontend MVP.
- **Weeks 11–14:** UX polish, admin features, testing, accuracy tuning.
- **Weeks 15–16:** Deployment, documentation, demo, handoff.

Success Metrics

- **Throughput:** 50–200 resumes/minute.
- **Latency:** <3s per single resume score.
- **Accuracy:** +30% recruiter shortlist precision vs. baseline.
- **UX:** -60% time-to-shortlist.



Thank You