

Oscar Ramos

Software Engineer

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SUMMARY

Software engineer who ships whole products, from UI to infrastructure to the AI in the middle. At Story.com I built the video feature the company was founded on, which grew past a million users, and cut cost per rendered video roughly 10x. Before that, core features and prompt design on a ChatGPT plugin that reached 3M+ diagrams generated. React, Next.js, TypeScript, Node, Python, Remotion.

EXPERIENCE

Story.com (San Francisco)

Sep 2023 – Mar 2026, remote

Software Engineer

- Built the video generation feature the company was founded on; grew it with the team past 1M users.
- Designed, built and ran the Remotion rendering infrastructure end to end on EC2, cutting cost per rendered video roughly 10x.
- Integrated generative video and image models into the product, with the queueing, failure handling and fallbacks around them.
- Built the video and video-editor experience by hand: timeline, scene editing, preview.
- Started the frontend from zero and set the React, Next.js and TypeScript architecture the team built on.

Diagrams: Show Me

May – Sep 2023

Engineer

- Built multi-diagram-type and multi-language support for Diagrams: Show Me, taking it from one diagram format to dozens.
- Designed the prompts and the handling for malformed model output, which is what made the feature reliable enough to ship at volume.
- 3M+ diagrams generated; the work led directly to being recruited onto the Story.com founding team.

Lean Tech

Dec 2021 – Dec 2022

Full Stack Developer

- Shipped multiple logistics applications from MVP to production.

FractalUp and Aceroyalty

2021

Lead Frontend Developer; Full Stack Developer

- Led a team of 3 frontend engineers building an educational workspace; refactored its frontend build pipeline.

PROJECTS

Lumen

May – Aug 2026

lumen-vic3.fly.dev · solo · live

Upload a Victoria 3 save and get an interactive dashboard of the whole campaign: GDP, population, standard of living, prestige, territory, laws.

- Parses 10–150 MB save files inside a 1 GB memory budget using streaming regex extraction instead of a full parser; ironman saves are melted on the fly with a bundled melter binary.
- FastAPI backend, React and Recharts frontend, Docker on Fly.io, pytest suite with benchmarks and request rate limiting.
- Built the launch trailer as a data-driven Remotion composition: real campaign metrics from a parsed save, animated and rendered to 1080p.
- Launched on r/victoria3, picked up organically; still in active use.

SKILLS

Frontend React · Next.js · TypeScript · Tailwind · Canvas/WebGL · React Native (Expo)

Video Remotion · FFmpeg · programmatic rendering · render pipeline operations

Backend Node.js · Python (FastAPI) · Postgres · Redis · queues/workers · GraphQL · WebSockets

Infra AWS (EC2, S3, Lambda) · Docker · Fly.io · CI/CD

Testing Playwright · Jest · pytest

AI Generative AI and LLM integration · prompt design · handling non-deterministic model output · ChatGPT plugin development

EDUCATION

UTEL University, Mexico

2023 – 2026

Licenciatura (B.Eng.) in Computer Systems Engineering

Universidad Católica San Pablo, Peru

2016 – 2020

Computer Science studies

COMPETITIONS

ICPC Latin America Regional 2019 · UCSP team · 6th in Peru, top 20% of 343 teams across Latin America · trained at ICPC camps at UBA (Buenos Aires, 2018) and Unicamp (Campinas, 2019)