

Marcelo Villarreal, Full-Stack Software Engineer

San Francisco, CA, contact@cloudportfol.io

PROFESSIONAL SUMMARY

Specializing in full-stack product development and cloud-based data systems. Experienced in delivering production web applications, customer-facing workflows, backend services, and data pipelines. Focused on owning features end to end, from interface design through API and database integration to deployment, with recent work on AI-powered product surfaces.

EMPLOYMENT HISTORY

Feb 2026 — Present	Staff Engineer, ClimateAi	San Francisco, CA, USA
	Led the development of ClimateAi’s weather intelligence platform, spanning customer-facing workflows and AWS pipelines for data ingestion and model training.	
Mar 2025 — Feb 2026	Data Scientist L3, ClimateAi	San Francisco, CA, USA
	Drove 0–1 full-stack development of customer-facing features, from interface design to backend integration and deployment.	
Feb 2024 — Mar 2025	Data Scientist L2, ClimateAi	San Francisco, CA, USA
	Developed statistical and machine-learning models for crop-yield forecasting and productionized them for use in climate-risk applications.	
Jun 2023 — Feb 2024	Junior Data Scientist, ClimateAi	San Francisco, CA, USA
	Developed physics-based crop-yield forecasting models and integrated them into agricultural planning tools.	
Jul 2022 — Jun 2023	Full-Stack Developer, Dropin	San Pedro Garza García, NL, MX
	- Developed and maintained full-stack components, including an API for automated delivery-guide generation. - Built an AWS Lambda route optimizer using Google’s Distance Matrix API to reduce costs and transit times.	

EDUCATION

Aug 2018 — Jun 2023	B.S. in Engineering Physics, Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM)	Monterrey, MX
	Graduated with honors with a cumulative average of 95/100.	

SKILLS

TypeScript	React / React Native
Python	Git
AWS / GCP	Docker
SQL / PostgreSQL / MongoDB	Agentic Development (Claude Code / Codex)
Next.js	

PROJECTS

Dec 2025 — Present	Monofile, monofile.ai	Personal Project
	Sole-authored, AI-powered cloud file system built for humans and agents. Agents can discover and use the API through https://monofile.ai/skill.md .	