

Diego Regalado Garcia

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SUMMARY

Product manager and full stack developer with 2+ years of professional experience building and shipping AI products on AWS and Google Cloud, with a track record of owning technical projects end-to-end from stakeholder approval to production deployment.

WORK EXPERIENCE

UC Merced Auxiliares

Apr. 2023 – Nov. 2025

Product Manager Intern

Merced, CA

- Led end-to-end delivery of DineBoard, a React and Node.js menu management platform deployed on an on-premises campus server, replacing manual USB-based workflows across a dining center processing ~5,000–6,000 visits daily.
- Owned the full build as the primary engineer, delivering a working web dashboard in under 2 months, reducing menu update time from ~5 minutes of manual USB transfers per station to under 1 minute per update across all displays.
- Authored technical documentation and trained over 10 dining center employees, driving full staff adoption; platform remains in active institutional use.
- Scoped and shipped Tule, an AWS-hosted campus information platform, users submit queries and receive structured response cards powered by a RAG pipeline built on Bedrock, Titan Embeddings, and Pinecone; reaching ~250 daily unique visitors.
- Integrated DineBoard directly into Tule, exposing live menu data for any dining station in real time, making up-to-the-minute menu information publicly accessible the moment staff pushed an update through the dashboard.

PROJECTS

VOX AI, Text-to-Speech & Audiobook Platform

- Built VOX AI, a full-stack TTS web application in React/TypeScript, containerized and deployed to Google Cloud Run via Docker through Cloud Build and Artifact Registry.
- Integrated two GPU-exclusive TTS engines running on on-demand GCE L4 GPU instances across a multi-zone failover pool, with a custom lifecycle manager handling startup, idle shutdown, and regional failover entirely in code.
- Implemented Google OAuth with JWT authentication and a Firestore-backed tiered credit system with usage tracking, monthly resets, and atomic upgrade/downgrade handling.

EDUCATION

University of California, Merced

Aug. 2022 – May. 2027

B.S Computer Science and Engineering

Merced, CA

SKILLS

Product: Agile/Scrum · Sprint Planning · PRD & SOP Authoring · Stakeholder Presentations · Requirements Definition · Product Lifecycle Management · Technical Documentation · Jira · Confluence · Notion · Microsoft 365 · Power Automate

Languages & Frameworks: Python · FastAPI · TypeScript · React · Vite · Next.js · Node.js · C++

Cloud & Infra: AWS (App Runner, Lambda, S3, CloudWatch) · Google Cloud (Cloud Run, Cloud Build, Artifact Registry, GCE, Firestore, GCS, Secret Manager) · Firebase · Red Hat Enterprise Linux · SQL · Git · CI/CD

AI/ML: AWS Bedrock · Titan Embeddings · Pinecone · RAG · LLM Hosting · vLLM · Claude Code · Cursor