

Matthew Reidy

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Skills

Languages: Python, JavaScript, Go, SQL, HTML/CSS

Frameworks: React, NextJS, Tailwind CSS, Strands Agents, MCP

Tools: Docker, Linux (RHEL), Amazon Web Services, Postgres, Oracle DB, LLMs

Experience

Site Reliability Engineer, GALLO – Modesto, California, US

May 2025 – Present

- Architected an event-driven agentic system leveraging Claude Sonnet and AWS Bedrock to autonomously resolve emergency tickets on critical business systems, reducing system downtime from hours to minute
- Developed a background synchronization daemon to integrate system logs and internal documentation into an AWS S3 vector store, enabling Retrieval Augmented Generation (RAG) to provide critical context for SRE agentic systems
- Engineered a full stack AI chat application integrated with SRE team AWS S3 vector with visibility on team documentation and procedures, enhancing operational agility through RAG enhanced natural language queries

Platform Administrator, GALLO – Modesto, California, US

January 2022 – May 2025

- Spearheaded the development of an automated file transfer system using Automic while in lockstep with the retirement of the previous file transfer system
- Reduced warehouse system support ticket intervention by 60% by developing a frontend web application with Angular, NodeJS, and Amazon Web Services that handles common support tasks
- Developed replacements for legacy applications with full stack web applications using React and a NodeJS API on AWS Lambda and API Gateway, moving to AWS-hosted hardware, resulting in a seamless transition for staff using the app daily
- Automated manual business workflows, reducing completion-time from days to minutes, by developing programs using AWS Lambda, Eventbridge, and Python
- Developed product physical-location map-search application for warehouse forklift drivers to help them find products in a quickly changing warehouse environment using React, Python, and AWS Services

Projects

Travel Agent

[Travel Agent](#)

- AI powered vacation planning application transforming natural conversation into executable itineraries, bookings, and flight reservations
- Utilizes a custom Model Context Protocol (MCP) server to facilitate search across accommodations, landmarks, and local attractions by integrating the Google Maps Places API
- Utilizes AWS Bedrock AgentCore Memory, Runtime, and Gateway to orchestrate planning workflows and state management

Smart Coffee

[Smart Coffee](#)

- Converted a simple coffee machine to a “Smart” device with Arduino microcontroller, AWS IOT Core, and an IOS mobile application
- MQTT message broker paired with a websocket enables bi-directional communication between IOS app, AWS Lambda, and Microcontroller

Education

California State University, Stanislaus – B.S in Computer Science

May 2021

- Kappa Sigma Fraternity

Certificates and Awards

AWS Certified Developer, Associate

2023

Time Magazine, Person of the year

2006

World's youngest person

June 1997