

# Samee Rauf

[sameerauf.dev](https://sameerauf.dev)

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## EXPERIENCE

**PMG World Wide, Dallas, Texas,**

**June 2024 - Current**

*AI Software Engineer*

- Optimized multi-million dollar media budgets for major QSR clients by developing a predictive forecasting tool using weather data, statistical regression, and LangChain for a ~5% lift in return on ad spend for 5 pragmatic teams
- Engineered an ad creation automation system that integrates with Ad APIs to generate bulk-upload sheets, saving 3–5 hours per campaign build per team member every launch and enabling rapid scaling of ad launches across 25 teams
- Designed and deployed a domain-negation platform that programmatically screens unsafe/low-value sites and publishes exclusions via API across 10+ search accounts, increasing return on ad spend by 10%
- Eliminated 1,000 dollars in monthly cloud costs and reduced significant tech debt by engineering a scalable API-driven architecture to decommission a high-cost legacy platform.
- Developed reusable download utilities for Google Docs (via Drive API) and S3 cloud storage, enabling media teams to programmatically ingest documents being used in 100+ automated workflows
- Refactored internal Data APIs to reduce errors, improve performance, and support new automation workflows, accelerating delivery of client-facing applications.
- Implemented DataDog & OpenTelemetry monitoring for 10+ key metrics & zero-downtime deploys

**The Walt Disney Project, Anaheim, CA**

**August 2023 - May 2024**

*Security Researcher*

- Developed an automated system using the Snoozy Large Language Model within the GPT-4ALL ecosystem to rapidly generate and deploy reliable, audited system configurations, enhancing efficiency and security in system management
- Achieved a 35% reduction in system configuration management time cost & presented findings to Disney stakeholders

**Los Angeles County Project, Fullerton, CA**

**July 2022 - February 2023**

*Software Developer CSUF*

- Developed a full-stack parking management system using React & Express for LA County, serving 1,000+ users by implementing custom UIs and server-side CRUD operations.
- Implemented a relational database schema in SQLITE and engineered a full suite of RESTful API endpoints with Express.js to handle all server-side CRUD operations and data validation

## PROJECTS

**Ark** (<https://github.com/srauf24/ark> | [arkcore.dev](https://arkcore.dev))

**September 2025 - Current**

- Developed a homelab asset management platform in Go (clean handler/service/repo architecture) with React 19, PostgreSQL 16, and Redis, deployed to AWS EC2 via Docker Compose, Caddy auto-SSL, and GitHub Actions CI/CD.
- Engineered a production-ready API with OpenAPI docs, Zod schema validation, and ts-rest type-safe contracts; added PostgreSQL full-text search with GIN indexes for <100 ms query latency
- Built multi-tenant authentication using Clerk JWT with two-phase middleware ensuring complete user data isolation, integrated New Relic APM for distributed tracing and structured JSON logging with Zerolog — all within a \$15/month infrastructure budget

## TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages: Python, Go, Java, C++, JavaScript,

Framework and Databases: NodeJs, React, Express, SQLITE, Firebase, PostgreSQL

Platforms & Tools: AWS (S3, Lambda, EC2), Datadog, Git, GitHub, Docker, Sanity, CodeArtifact

Certifications: AWS Cloud Practitioner

## EDUCATION

**California State University Fullerton, Fullerton, CA GPA: 4.0/4.0**

**Graduation Date:** May 2024

**Major:** Bachelor of Science, Computer Science