

Rey Okvianto

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WORK EXPERIENCE

Driven Telematics — Founding Engineer | Oct 2024 – Present | Houston, TX

- Led full-cycle modernization of a legacy Laravel/PHP/Angular/MariaDB system into a scalable mobile-to-cloud telematics platform, owning architecture, infrastructure, and technical direction from inception.
- Built native iOS (Swift) and Android (Kotlin) SDKs performing real-time driving-behavior and distraction-event detection from GPS/accelerometer/gyroscope sensor data, achieving 93% trip detection/attribution accuracy and 90% event-detection accuracy.
- Redesigned the trip-processing pipeline from a synchronous monolithic flow into an async, parallelized architecture (SQS worker pool, concurrent event detection, Redis response caching), **cutting redundant external geodata API calls to near-zero and reducing repeat-lookup latency by up to ~800x on cache hits.**
- Re-architected a legacy, manually-provisioned EC2/RDS fleet into a fully codified, containerized AWS backend (FastAPI, ECS Fargate, ECR, SQS, DynamoDB, 23-module Terraform stack), **cutting infrastructure cost ~87.5% (~8x) at equivalent user scale (~\$2,205/mo → ~\$275/mo)** while enabling full-environment provisioning in under 15 minutes and zero-downtime rolling deploys.
- Architected and shipped an AWS-based Motor Vehicle Record exchange platform (API Gateway, Lambda, Aurora PostgreSQL, Kinesis Firehose); led requirements gathering and presented the platform directly to **2 enterprise carriers.**

Credera — Technology Consultant | Aug 2023 – Oct 2024 | Houston, TX

- Architected and delivered a B2B gym membership application for a global fitness brand on a serverless AWS stack (AWS Amplify, API Gateway, Lambda, DynamoDB, Cognito, AppSync, S3) with a TypeScript/React frontend, **increasing conversion rate by 16% and reducing time-to-market to 4 months, down from 1.5 years for the client's previous site build.**
- Managed two concurrent client accounts, **resolving 50+ bugs on a legacy Angular/PHP application within 6 months** while leading new feature development on the B2B application.
- Delivered a technology strategy roadmap and actionable engineering backlog for an enterprise medical device company, gathering stakeholder requirements and translating them into a phased plan to adopt AI-assisted tools replacing manual labor processes.

Chick-fil-A, Inc. — Software Engineer I (Contract) | Jan 2023 – July 2023 | Remote

- Developed responsive interfaces for the Restaurant Development team (React.js, TypeScript, IBM TRIRIGA), **reducing store data update time by ~80% and eliminating rework from the legacy system's lack of input-error recovery.**

PROJECTS

Custom Masters Leaderboard / Fantasy Golf Application | April 2026

- Designed and built a full stack fantasy sports platform from concept to launch, architecting a scoring engine that derives standings directly from tournament results, handling edge cases such as missed cuts, withdrawals, and ties, and **onboarding 50 users within the first week of launch.**

Geaux Dough Bakery — Custom Ordering Platform | Jan 2025 – Present

- Built and shipped a full-stack ordering platform (Next.js, Firebase Firestore, Vercel) on a near-zero-cost managed stack, **growing order volume from ~1 order/week to 2–3 orders/day** during the business's seasonal window (January through Mardi Gras).

TECHNICAL SKILLS

Languages: Python, TypeScript/JavaScript, Swift, Kotlin, Java, PHP, SQL

Cloud/Infra: AWS (Lambda, ECS/Fargate, DynamoDB, S3, API Gateway, SNS/SQS, CloudFront, Aurora), Terraform, GitHub Actions

Frameworks: React/Next.js, FastAPI, .NET Core, Spring Boot

Other: Firebase/Firestore, Git, Jira, Postman, AI-assisted coding tools (Claude, Cursor)

EDUCATION

Texas A&M University — B.S. Computer Engineering, Minor in Mathematics & Cybersecurity | May 2023