

# Kevin Reyes

## Software Engineer

Software Engineer with a B.S. in Computer Engineering and hands-on experience designing scalable, full-stack applications using Python, JavaScript, and modern frameworks. Proven ability to lead teams, build maintainable systems, and integrate APIs to solve real-world problems. Passionate about clean architecture, thoughtful UX, and continuous learning.

kayreydev@gmail.com ✉

linkedin.com/in/kevbreyes in

github.com/kay-rey

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## Professional Experience

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### Sole Developer (Full Stack)

J&S Drayage | Dispatch & Route Optimization App

May 2025 - Present

- Architected and built a full-stack web application from the ground up using Django and React to solve complex drayage logistics challenges for a commercial client reducing manual dispatching time by 15 hours a week
- Engineered a powerful route optimization engine by integrating the Google Cloud Route Optimization API, modeling complex business constraints such as HOS rules, demurrage deadlines, and vehicle capacities.
- Developed a complete CI/CD pipeline using Docker and GitHub Actions, enabling automated testing and laying the groundwork for seamless deployment to Google Cloud.
- Acted as the primary technical point of contact, gathering requirements directly from the client and translating complex business needs into a robust, scalable software solution.

### Project Lead & Developer

Catchimal – Award-Winning Virtual Creature Catcher

devpost.com/software/catchimal

- Led a team to build a mobile app where users catch eco-themed creatures, promoting environmental awareness through interactive play.
- Won the "Best Hack for Sustainability" award.
- Developed core frontend mechanics using HTML, CSS, and JavaScript, with a focus on responsive design and gameplay logic.
- Directed team collaboration, managed GitHub workflows, and ensured on-time delivery of a polished MVP

### Developer

CardGames – Clean Architecture Python Application

github.com/kay-rey/CardGames

- Developed a Python-based card game suite (Poker, Blackjack) using clean architecture and SOLID principles.
- Employed test-driven development to ensure reliable, extensible, and maintainable code.
- Focused on modular design, code readability, and detailed inline documentation.

### Project Lead & Backend Engineer

ClarifyMed – AI-Powered Medical Clarification Tool

github.com/kay-rey/clarifymed

- Led development of a web app that uses AI to simplify complex medical jargon into patient-friendly language.
- Built backend logic and API routes using Next.js, and integrated Gemini's API for natural language processing.
- Managed team workflow and GitHub structure to deliver a working MVP within 48 hours.
- Emphasized practical UX design and real-world usability under tight time constraints.

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## Education

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### Bachelor of Science in Computer Engineering

San Francisco State University – San Francisco, CA

Graduated: Spring 2019