Mark Kenneth Ranosa

TypeScript/React Full-Stack Engineer | Remote-First Engineering Expert

Manila, Philippines (Open to Relocation) | ken.ranosa@gmail.com | kenranosa.com | linkedin.com/in/mranosa

TypeScript · React · Node.js · Next.js · Java

PROFESSIONAL EXPERIENCE

Software Engineer | Formative (Acquired by Newsela, July 2023) | Remote | May 2021 - Jun 2025

- Delivered **$1M+** in enterprise deals shipping SSO, real-time collaboration, RBAC, and custom reporting using **TypeScript, React, Node.js**, enabling faster closes on a **2M+ user platform**
- Architected and shipped **real-time collaborative editing system** using **TypeScript, React, Node.js, WebSockets, MongoDB** with presence and conflict-free sync, adopted across **2M+ users**
- Eliminated manual imports by integrating Newsela's Item Bank (CRUD, search, bulk import/export, feedback) using **TypeScript, React, GraphQL**, **unlocking in-app access**
- Cut runtime errors by migrating to generated GraphQL types and converting **100+ React class components** to functional components with hooks, improving **developer experience**
- Shipped **37 major platform features** over 4 years with **1,000+** PRs and **615+** code reviews, maintaining **no critical production incidents**

Senior Software Engineer | PearlPay | Philippines | Nov 2019 - Sep 2020

- Reduced integration testing from **hours to seconds** introducing LocalStack for AWS mocks (S3, SQS, Lambda, DynamoDB), **accelerating development velocity** while maintaining PCI compliance
- Standardized microservices by creating code-gen tool adopted by **8 engineers** reducing setup from **2 weeks to 1 minute**
- Established company's **first engineering career framework** defining role levels (junior, mid, senior) and growth paths tied to compensation, **adopted company-wide**

Founder | SignZen | Philippines | Jul - Nov 2019

- Built computer vision MVP using Python, React, TensorFlow, Keras for demographic detection and advertising analytics on digital signage networks
- Secured **2 pilot customers** in 2 weeks for MVP deployment to **16,000+ digital screens**, validating product-market fit
- Built and led cross-functional team of **3 engineers and 2 specialists**, shipping MVP in **2 months** and validating technical feasibility

Software Engineer in Test | Branded Entertainment | Remote | Apr 2016 - Jun 2019

- Achieved **600%** test speed improvement implementing automation and parallel execution with Selenium Grid, accelerating sprint and release cycles
- Reduced QA setup from **2 days to 3 minutes** automating with Docker and infrastructure-as-code, eliminating manual configuration and enabling **on-demand environments**
- Built YouTube monitoring service using Node.js, Puppeteer, FFMpeg tracking branded content videos, ensuring correct product placement with sufficient duration and exposure time

TECHNICAL SKILLS

TypeScript · React · Node.js · Next.js · GraphQL · Supabase · PostgreSQL · MongoDB · TanStack Query · Zustand · Express · Jest · Vitest · Playwright · Docker · AWS · Git · CI/CD · WebSockets · REST APIs · API Integration · Serverless Functions · Component Architecture · Redis · TailwindCSS · Radix UI · Zod · Puppeteer · Selenium · Python · TensorFlow · Keras · PyTorch · Java · Spring · Firebase · Sentry · Vercel · Heroku

EDUCATION

BS Information Technology
AMA Computer College · Philippines