Mark Kenneth Ranosa

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

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

PROFESSIONAL EXPERIENCE

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

- **Empowered teachers** to **control assessment navigation in realtime** for platform serving **25M+ students** by building session control interface with duplicate tab prevention and navigation locks
- **Secured test integrity** across **90%+ of US school districts** by designing concurrent device detection anti-cheating system for premium tier on platform processing **4.5B+ student responses**
- **Streamlined enterprise demo setup** from **4 hours to 30 seconds** by co-authoring tenant-isolated sandbox provisioning system
- **Delivered 34 durable customer-facing features** (15 paid-tier, 19 free-tier) by engineering maintainable, well-tested systems - all remain in production 5+ months post-departure
- **Unlocked $1M+ in enterprise contracts pre-acquisition** documented in feature tickets by shipping features using **Typscript, React** that satisfied purchasing requirements

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

- **Achieved same-day PCI-compliant deployments**, transforming integration testing from **3 hours to 90 seconds** by introducing LocalStack AWS mocks
- **Standardized all new service architecture team-wide**, streamlining microservice setup from **2 weeks to 1 minute** by building CLI scaffolding tool
- **Established org-wide engineering leveling framework** across **4 IC levels** by partnering with CTO to define clear promotion criteria

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

- **Tripled daily test cycles**, optimizing test suite execution from **2 hours to 20 minutes** by implementing Selenium Grid parallel automation
- **Enabled on-demand QA environments**, improving provisioning from **2 days to 3 minutes** by automating test-data seeding
- **Guaranteed contract compliance** for Microsoft, GM, Unilever and other advertisers across **5000+ placements** by shipping automated video verification tool

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