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

- Accelerated 10-engineer team velocity, **4x faster PR merges (4 days → 1 day)**, by spearheading TypeScript initiative (332 files).
- Standardized district-wide assessments for **90%+ of U.S. districts** by architecting Common Assessment with admin settings auto-syncing to all teachers.
- Secured assessment integrity for a platform serving **25M+ students** by engineering anti-cheating with session tracking and overlap detection.
- Achieved lasting impact, **all 34 customer features live (15 paid, 19 free)**, delivered 46 major features (12 internal).
- Enabled **$1M+ pre-acquisition contracts** documented in feature tickets, by shipping deal-critical features resolving purchasing blockers.

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

- Transformed integration testing **120x faster (3 hours → 90 seconds)** by introducing LocalStack AWS mocks, enabling same-day PCI-compliant deployments.
- Streamlined microservice setup **(2 weeks → 1 minute)** by building CLI scaffolding tool, adopted company-wide, standardizing all new service architecture.
- Established **engineering leveling framework across 4 IC levels** with clear promotion criteria, partnering with CTO for org-wide adoption.

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

- Improved test suite execution **600% (2 hours → 20 minutes)** by implementing Selenium Grid parallel automation, enabling 3x more daily test cycles.
- Optimized test environment provisioning **(2 days → 3 minutes)** by automating test-data seeding, enabling on-demand QA environments for faster release cycles.
- Ensured contract compliance at scale processing **thousand video hours across 5000+ placements (MS, GM, Unilever)** by shipping automated verification tool

TECHNICAL SKILLS

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

EDUCATION

BS Information Technology
AMA Computer College · Philippines