Mark Kenneth Ranosa

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Senior Full-Stack Software Engineer with 15+ years across education, fintech, adtech, and developer tooling. Architects critical web systems, sets and improves engineering standards, reduces delivery risk, and builds tools that improve team productivity and measurable business outcomes. Best fit for mission-driven teams where reliability at scale, clear goals, and measured outcomes matter.

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Boost Capital | Remote, Singapore | Feb 2026 - May 2026 (4 months)
AI-powered KYC and onboarding fintech for Southeast Asian banks

- Built a one-command, shift-left AI harness that produced **deploy-ready commits for 93/101 production tasks**
- Accelerated the local TDD loop to **from 12.5 minutes to 25 seconds** by rebuilding test infrastructure.
- Designed a CTO-endorsed CI/CD workflow projected to **save 16 developer-days per month**

Career Break | Jul 2025 to Dec 2025 (6 months)
Sabbatical after a 4-year tenure

Senior Software Engineer | Formative (Acquired by Newsela, July 2023) | Remote, US | Feb 2021 - Jun 2025 (4 years)
K-12 assessment platform serving 25M+ students across 90%+ of U.S. school districts

- Unlocked **$1M+ in signed district contracts** by delivering deal-critical features pre-acquisition era
- Architected the **Overlapping Sessions Indicator**, an anti-cheat system still live in production
- Streamlined enterprise demo setup **from 4 hours to 30 seconds** by co-building per-customer environments
- Delivered **two real-time classroom systems** still in production: Teacher-Paced class control and Collaborator Presence

Senior Software Engineer | PearlPay | Philippines | Nov 2019 - Sep 2020 (11 months)
Digital banking platform for rural banks in the Philippines

- Simplified microservice setup **from 2 weeks to 2 minutes** with a code generator adopted as team standard
- Enabled same-day deployments with LocalStack integration tests running **in 90 seconds instead of 3 hours**
- Co-designed the **company-wide engineering career ladder** with the CTO for hiring and promotion

Senior Software Engineer in Test | Branded Entertainment (now BENlabs) | Remote, UK | Apr 2016 - Jun 2019 (3 years)
Brand placement platform for film, TV, and creator content

- Automated video verification for **5,000+ brand placements** across Microsoft, GM, Unilever, and other enterprise accounts
- Provisioned QA environments **from 2 days to 3 minutes** by automating test-data workflows
- Increased daily test capacity **3x with Selenium Grid**, completing the suite in 20 minutes from 2 hours

Earlier Experience | 2006 to 2016 (10 years)
Grew from **Junior to Senior Engineer** across 8 companies, with 4 US-remote roles

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java
Frontend: React, AngularJS
Backend: FastAPI, Django, Spring, Node.js, Express
Databases: PostgreSQL, MySQL, MongoDB, Redis, Oracle
Data & ORM: SQLAlchemy, Alembic, Pydantic, Hibernate
Cloud & DevOps: GCP, AWS, Docker, Linux, GitHub Actions, CI/CD, Git
Testing: pytest, httpx, Selenium, WebdriverIO, Mocha, LocalStack, Puppeteer, Playwright
AI-Assisted Engineering: Claude Code, agentic workflows, shift-left AI harnesses, TDD automation, review gates

EDUCATION

BS Information Technology - 2010
AMA Computer College, Philippines