

# EMMANUEL YUPIT

Senior Software Engineer | Technical Leadership

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Cancún, Mexico

## PROFESSIONAL SUMMARY

Senior Software Engineer with 9 years building reliable, scalable systems. Expert in React, TypeScript, Node.js, and AWS with proven track record delivering platforms serving 150k+ users with 99.9% uptime. Strong technical leadership experience including architecture decisions, mentoring engineers, and driving cost optimization initiatives. Pragmatic about technology choices with focus on business impact and system reliability.

## TECHNICAL SKILLS

**Core Technologies:** TypeScript, JavaScript, Python, SQL, React, Node.js

**Frontend:** React, Next.js, Vite, Tailwind CSS, Component Architecture

**Backend:** Node.js, FastAPI, GraphQL, REST APIs, Microservices

**Databases:** PostgreSQL, Redis, MongoDB, Query Optimization

**Cloud:** AWS (EC2, Lambda, SQS, S3), Docker, Serverless Architecture

**DevOps:** GitHub Actions, CI/CD, Monitoring, On-Call, Incident Management

**Practices:** Agile/Scrum, Code Review, Technical Documentation, Mentoring

## PROFESSIONAL EXPERIENCE

### Engineering Manager (Contractor)

**Vetted Health | Jun 2024 - Present | United States (Remote)**

- Architected distributed backend systems processing 500 candidates/day using Node.js, TypeScript, and AWS SQS, maintaining 99.9% uptime
- Designed event-driven architecture for real-time messaging with WebSockets and AWS SQS
- Built React micro-frontend platform replacing third-party solution, reducing costs by 95% (\$50k/year)
- Led architecture decisions for scalable systems supporting 150k active users
- Reduced incident response time (MTTR) by 60% through monitoring and on-call improvements
- Mentored 7 engineers on system design, code quality, and best practices

### Senior Software Engineer

**EPAM Systems | May 2022 - Aug 2024 | Mexico (Remote)**

- Designed and optimized booking flow APIs handling 100k+ daily requests, reducing latency by 40% (800ms → 480ms)
- Improved conversion rate by 12% through performance optimization and reliability improvements
- Implemented queue-based async systems for high-volume processing with guaranteed delivery
- Optimized PostgreSQL queries and Redis caching, improving response times by 60%
- Contributed to AI content platform (MarketMuse) frontend architecture

## Software Engineer

Apex Systems | Oct 2020 - May 2022 | Mexico (Remote)

- Built optimized React-based UIs with advanced component design and state management
- Established testing best practices and CI/CD pipelines reducing time-to-production by 30%
- Mentored junior developers on React patterns and code quality

## EDUCATION

### B.S. in Data and Business Intelligence Engineering

Universidad del Caribe | 2021

**Certifications:** Scrum Fundamentals Certified (SFC), React.js — Wizeline Academy

## KEY ACHIEVEMENTS

- Reduced API latency by 40% improving conversion by 12%
- Maintained 99.9% uptime for systems serving 150k+ users
- Reduced infrastructure costs by 95% (\$50k/year savings)
- Mentored 7 engineers on system design and best practices
- Led architecture decisions for \$20M ARR platform
- Reduced incident response time (MTTR) by 60%