



RUDY MESADIEU

FULL STACK ENGINEER

Details

Queens, New York

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Links

rudymesadieu.com

github.com/rmesa19

medium.com/@rmesadieu

Skills

Java

Python

Kotlin

Java Spring Boot | Rest API

JPA/JPQL

Unit Testing (JUnit, Pytest)

Node.js | Tailwind.css

Next.js | React.js | Typescript

PostgreSQL | OracleSQL | GraphQL

CI/CD (Bamboo, Git, Bitbucket)

Kubernetes (Amazon EKS) | Docker

Datadog Analytics

ETL Pipeline Orchestration

Kafka

Profile

Full stack Software Engineer whom designs, develops, and scales robust back end systems, distributed infrastructure and visually appealing front end displays. Proven ability to deliver high-performance, secure, and reliable services using Java Spring Boot, Python, GraphQL, and modern web stacks. Skilled in transitioning monolithic architectures to micro-services, optimizing database queries, and collaborating cross-functionally to maximize business impact.

Employment History

Software Engineer, Fitch Ratings, New York

SEP 2023 – PRESENT

- Build, maintain and optimize scalable REST APIs (10+) using Java Spring Boot, serving real-time Bloomberg bond data to customer-facing Appian applications, reducing latency and average response time by 24%.
- Engineer ETL pipeline with Python and SQL to process 30,000+ financial data records from external Oracle databases, improving backend data reliability.
- Refactor legacy backend and frontend files, leading to an average 12% codebase reduction.
- Transition key services toward a microservice-based architecture, decreasing deployment time by 30% and improving fault isolation.
- Develop GraphQL endpoints for dynamic and flexible data querying, increasing API efficiency and cutting request payload size by 27%.
- Monitored Amazon EKS (Kubernetes) clusters via Datadog, proactively resolving performance anomalies and improving system reliability.
- Automated deployment pipelines through Bamboo, increasing release frequency by 25% and reducing integration errors by 40%.
- Support cross-team architecture reviews and mentor junior developers in backend system design.

Software Engineer, Northwell Health, New York

DEC 2022 – AUG 2023

- Developed secure, cloud-native applications using Java Spring Boot and GraphQL to support messaging for 890+ healthcare facilities with 97.9% uptime.
- Integrated Azure Cloud services (App Services, Storage, Functions) to enable scalable deployment and real-time operations.
- Implemented GraphQL interfaces for real-time data transactions between internal systems and third-party providers.
- Collaborated with QA and infrastructure teams to ensure performance, security, and system compliance.

Software Engineer Intern, Lyft, New York

JUN 2022 – SEP 2022

- Migrated mobile UI experiences to web using React and TypeScript for the RiderWeb platform.
- Designed and implemented couponing and discount systems, leveraging Node.js backend and Kotlin services.
- Reduced average API call latency by 27% through targeted service optimizations and code reviews.

Education

Bachelor of Science in Chemistry, St. Joseph's University, Brooklyn, New York

SEP 2012 – MAY 2016

Summa Cum Laude

Master of Science in Computer Science, Northeastern University, Boston, Massachusetts

SEP 2021 — MAY 2023

Web Development, Scalable Distributed Systems, Machine Learning, Database Management, Mobile Application Development

Leadership & Interests

Mentorship

Provide one-on-one coaching, pair programming, and onboarding support for junior engineers.

Personal

Former NCAA basketball athlete, studio art painter, amateur guitarist, LEGO designer, and personal trainer.

Project Highlights

Queens Neighborhood Fun Facts API

SEP 2025

Designed and launched a cultural-tech API categorizing 50+ Queens neighborhoods by history, culture, and lifestyle tags using PostgreSQL and Supabase.

Built RESTful endpoints with full-text fuzzy search, rate limiting, and audit logging via Supabase table logging.

Created scalable schema for long-term extensibility and potential integration with tourism or city data APIs

Personal Portfolio Analytics Suite

AUG 2025

Developed custom Next.js portfolio site with SEO optimization, responsive UI, and dynamic routing.

Integrated click tracking on GitHub and LinkedIn icons, capturing IP address and location for analytics via Supabase logging.

Implemented "Resume Viewed" tracking with separate onClick handler and endpoint logging to capture user interactions.

Designed to simulate a growth-oriented SaaS dashboard showcasing product sense and attention to UX.

Tutoring Brand & Lead Magnet System

MAR 2025

Launched a Trigonometry Regents tutoring business with high-converting green-themed flyer design, QR code tracking, and CTA-driven website prototype.

Implemented SEO-focused blog strategy and lead magnet (free downloadable cheat sheet) to capture parents and students via organic and local traffic.