RUDY MESADIEU

FULL STACK ENGINEER

Details

Queens, New York
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Links

RudyMesadieu.com

Skills

Java

Python

SQL

JavaScript

TypeScript

Kotlin

Spring Boot

React.js

GraphQL

Node.js

JPA/JPQL

Next.js

REST APIs

Microservices

Kubernetes (Amazon EKS)

RabbitMQ

CI/CD (Bamboo, Git, Bitbucket)

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

SEPTEMBER 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

DECEMBER 2022 — AUGUST 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

JUNE 2022 — SEPTEMBER 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

SEPTEMBER 2012 — MAY 2016

Summa Cum Laude

PostgreSQL

OracleSQL

Redis

NoSQL

Elasticsearch

Datadog

Unit Testing (JUnit, Pytest)

Service-oriented architecture (SOA)

ETL pipelines

System performance tuning

Containerization

Tailwind.css

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

SEPTEMBER 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

Performance Tuning

Diagnosed and improved slow database queries and API bottlenecks in real-time systems using profiling tools and query optimization.

Debugging & System Health

Led initiatives to monitor system health, triage production issues, and resolve critical bugs with minimal downtime.

Accessibility

Applied WCAG guidelines and semantic HTML in building UI components to improve product accessibility.