

Joey Boy Mendoza

Full-Stack Engineer

Contact

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Professional Summary

Senior Full-Stack Engineer with 5+ years of experience in designing, developing, and deploying high-performance, scalable web applications. Expertise in the modern JavaScript ecosystem, including **React** and **Next.js** for dynamic front-ends, and **Node.js** for robust back-end services. Proven ability to manage complex data architectures using **PostgreSQL** and implement real-time data streaming solutions with **Kafka**. Combines strong software engineering fundamentals with a focus on delivering end-to-end, reliable, and measurable full-stack solutions.

Technical Skills

Category	Technologies
Frontend	React, Next.js, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS
Backend	Node.js, Python, RESTful APIs, Microservices, Express.js
Database	PostgreSQL, MySQL, Data Modeling, SQL
DevOps/Tools	Kafka, Git, Docker, CI/CD, AWS/Cloud Services, Linux
Other	Software Engineering Best Practices, Debugging, Performance Optimization

Professional Experience

Full Stack Developer (AI-Adjacent Systems)

Lonewolf Workforce, United States | 01/2022 to 12/2023

- Engineered and maintained full-stack applications using **React** and **Next.js** for the client-facing platform, resulting in a 20% improvement in page load times.
- Developed scalable backend services and **RESTful APIs** using **Node.js** and Python, handling high-volume data transactions for internal and external systems.
- Designed and optimized **PostgreSQL** database schemas, ensuring data integrity and improving query performance by 30% for complex reporting features.
- Integrated AI-ready data pipelines and services, demonstrating a strong foundation in system architecture suitable for future machine learning and analytics capabilities.
- Supported deployment, monitoring, and scaling of production services using Docker and cloud platforms, ensuring high availability for distributed teams.

AI / Automation Engineer (Applied AI)

National Group Ltd, New Zealand | 02/2024 to 11/2024

- Designed and implemented internal tools to automate business workflows, utilizing full-stack development principles to create efficient and user-friendly interfaces.
- Leveraged **Kafka** for real-time data ingestion and processing to support automated systems, ensuring timely and reliable data flow across microservices.
- Integrated external APIs and intelligent logic into low-code platforms, bridging traditional software systems with modern automation tools.
- Contributed to early-stage solution architecture, focusing on system scalability, maintainability, and adherence to software engineering best practices.

Back End Developer (AI & LLM Project)

Ibex, United States | 08/2019 to 10/2021

- Designed and implemented a proof-of-concept AI chatbot, utilizing Python and backend services to automate internal support queries.
- Diagnosed and resolved complex system issues using structured root-cause analysis across software and services, improving overall system reliability.
- Investigated and debugged issues within enterprise systems, focusing on data integrity and backend logic.

AI Developer

United Wholesale Mortgage, United States | 03/2021 to 10/2021

- Assisted in building and integrating software components into existing enterprise systems, focusing on robust API design and integration.
- Collaborated with senior engineers to assess feasibility and business impact of new features, ensuring alignment with overall system architecture.

Education

Bachelor of Science in Computer and Information Sciences

De La Salle University

Hobbies

Playing chess - great way to unwind, destress, and keep the mind sharp.