

ALYSSON MEDEIROS

Senior Full Stack Developer

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Summary

Experienced Senior Full Stack Engineer with 7+ years in developing high-performance web applications, scalable microservices, and cloud-native solutions. Expert in building and optimizing applications using **React.js**, **Next.js**, **TypeScript** and **Node.js**, and implementing data collection and real-time analytics. Adept at designing distributed systems, automating deployment pipelines, and managing cloud infrastructure with **AWS** and **Azure**.

Experience

NuWare	Iselin, NJ, United States
Senior Full Stack Developer	05/2022 - Present
<ul style="list-style-type: none">Developed RESTful APIs using Node.js frameworks (NestJS, Express.js), and integrated PostgreSQL using TypeORM for complex data relationships, and MongoDB with Mongoose for unstructured data storage.Architected and developed React.js applications using Next.js (with TypeScript), leveraging SSR (Server-Side Rendering) and SSG (Static Site Generation) to improve performance and SEO.Designed and built internal AI-driven tools using LLMs (LangChain), integrated with vector databases to perform real-time analysis on large datasets.Implemented GraphQL APIs using Apollo Server for efficient data fetching and flexible client-side queries.Architected and deployed microservices using AWS services like Lambda, ECS, and S3, as well as Kubernetes and Docker containers for better scalability and fault tolerance.Implemented comprehensive CI/CD pipelines using GitHub Actions, automating testing and deployment processes.	
Company X	Sacramento, CA, United States
Full Stack Developer	09/2019 - 04/2022
<ul style="list-style-type: none">Focused on optimizing rendering performance in React.js by using advanced techniques like code splitting, lazy loading, tree shaking and server-side rendering (SSR) with Next.js.Built and maintained a set of highly performant REST APIs using Django Rest Framework.Designed and implemented event-driven architectures using RabbitMQ and Kafka to handle real-time streaming data and integrate it seamlessly with web applications.Utilized AWS services, including Lambda, ECS, and RDS (PostgreSQL), for serverless and containerized microservices deployment.	
Syntactics	Bacolod, Philippines
Full Stack Developer	11/2017 - 08/2019
<ul style="list-style-type: none">Developed scalable web applications using React and Next.js, with state management via Redux Toolkit.Focused on performance improvements by implementing server-side rendering for better SEO and page load speeds.Improved database performance by designing indexing strategies for high-volume queries and optimized SQL joins to minimize latency during large dataset queries.	

Education

University of Caloocan City	Metro Manila, Philippines
Bachelor of Science in Computer Science	08/2013 - 04/2017

Key Achievements

Microservices & Cloud Optimization Architected a fault-tolerant, scalable microservices architecture using AWS Lambda , ECS , Step Functions , and RDS Aurora , reducing cloud costs by 30% by optimizing the use of cloud resources.	AI/ML Integration Leveraged LangChain and OpenAI models for AI-based automation of internal workflows, improving processing speed by 50% and reducing manual effort by 60%.	CI/CD & Automation Enhanced CI/CD processes, reducing deployment times by 65% and improving the reliability of the release pipeline, resulting in faster feature rollouts.
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Skills

Languages & Frameworks: Node.js, Next.js, React.js, Next.js, TypeScript, Tailwind CSS, Redux Toolkit, Zustand, , NestJS, Python, Django Rest Framework, PostgreSQL, MongoDB, Redis, GraphQL (Apollo)
Others: AWS (Lambda, ECS, S3, CloudFront), Azure, Terraform, Docker, Kubernetes, CI/CD, GitHub Actions, OAuth2, RBAC, JWT, Kafka, RabbitMQ, Event-Driven Architecture