Carlos Medina Full Stack Developer

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Profile

Full-stack developer with 7+ years of experience in React, Next.js, Node.js, and TypeScript, building scalable applications for fintech, e-commerce, and AI-driven automation. Spearheaded modernization of 12-15 legacy microservices, improving backend efficiency while handling 2-3 million daily requests. Orchestrated deployment of containerized applications on AWS ECS/EKS, achieving 30-40% reduction in infrastructure costs and 50% improvement in deployment times.

Skills

Frontend
React, Next.js, React Native, TypeScript, Redux Toolkit, Tailwind CSS, Material UI, WebSocket, Recharts

Backend
Node.js, NestJS, Express.js, Python (FastAPI, Flask), REST APIs, GraphQL, PostgreSQL, MongoDB, MySQL, Redis, JWT, OAuth2, Microservices

DevOps / Cloud
AWS (Lambda, ECS, S3, RDS, API Gateway, CloudFront), Docker, Kubernetes, GitHub Actions, Terraform

Testing & Monitoring
Jest, Cypress, Playwright, Sentry, Datadog, CloudWatch, Prometheus

AI & Automation
AI-Driven Document Analysis, Anomaly Detection, Workflow Automation, Event-Driven Architecture

Languages

- English

Professional Experience

Full Stack Developer
Epam 🔗
01/2024 – Present | Pennsylvania, USA
Senior Full Stack Developer – Identity & Security Platform (01/2026 – Present)
Full Stack Developer – Platform Engineering (01/2024 – 12/2025)
- Architected a scalable identity verification platform using React, Next.js, Node.js, and TypeScript within a microservices ecosystem, supporting 10,000+ monthly workflows.
- Innovated JWT, OAuth2, and biometric authentication pipelines, improving validation speed by 30%.
- Integrated AI-driven document analysis and anomaly detection workflows, reducing manual review rates by 25%.
- Deployed and scaled REST and GraphQL APIs on AWS Lambda, API Gateway, S3, and RDS, increasing data throughput by 20% and ensuring 99.9% uptime.
- Passed production observability using CloudWatch, Prometheus, and Grafana, reducing incident detection time by 40%.
- Reinforced ownership across security-critical and AI-enabled workflows, influencing 5 architecture decisions and platform standards.

Full Stack Developer
Simbo 🔗
01/2020 – 12/2023 | Sonora, Mexico
Senior Full Stack Developer (01/2022 – 12/2023)
Junior Full Stack Developer (01/2020 – 12/2021)
- Completed 12–15 legacy microservices using GraphQL federation, reducing API latency by 25% while supporting 2–3M daily requests and 500GB+ monthly data volume.
- Newly-installed RBAC and JWT-based authentication, reducing unauthorized access attempts by 60% across enterprise systems.
- Architected cloud infrastructure using AWS CloudFront, S3, and API Gateway, cutting infrastructure costs by 30–40% and improving deployment speed by 50%.

Education

Engineering Degree, Information Technology
Polytechnic University of the State of Morelos ✎

Projects

Valpac Toll Manufacturing Website & Product Platform ✎

01/2022 – 12/2022
- Designed the company's website by designing a React-based website, decreasing website loading times by 35%, and improving the accessibility of key product information.
- Redesigned forms with progressive disclosure and real-time validation, improving lead capture conversion and resulting in a 20% increase in active user interactions.

Lemonade Full-funnel performance marketing agency ✎

01/2019 – 06/2019
- Optimized paid media strategies across social and Google Ads, improving campaign performance by 20-25%.
- Leveraged AI-driven automation to optimize ad creative and delivery, increasing ROI by 25-30%.

- Maintained centralized logging and monitoring with Sentry and Datadog, decreasing error resolution time by 30% and improving platform stability.
- Delivered real-time analytics dashboards using React, GraphQL, and React Query, driving data-based decisions with 90% stakeholder adoption.

Software Developer
Coderio ✎

01/2019 – 12/2019 | Guadalajara, Mexico
Software Developer – Platform & Real-Time Systems (03/2019 - 12/2019)
Associate Software Developer (01/2019 - 03/2019)
- Constructed real-time operational dashboards using React and WebSockets, enabling sub-second system visibility and reducing incidents by 15%.
- Developed and scaled Node.js microservices for enterprise automation and chatbot platforms, processing millions of monthly requests.
- Applied event-driven architectures with RabbitMQ and Redis, increasing message throughput by 30–40% and improving system resilience.
- Optimized MongoDB performance through indexing, aggregation tuning, and caching, reducing peak-load query latency by 25%.