Carlos Medina Full Stack Developer

✉ carlosamedina.in@gmail.com   📍 Morelos, Mexico   in linkedin.com/in/carlos-medina-2607a5399

📱 +529581188881

Profile

I'm a full-stack developer with 7+ years of experience building modern, scalable applications for fintech, e-commerce, and AI-driven automation, serving tens of thousands of users and supporting high-volume transaction systems. I specialize in React, Next.js, Node.js, and TypeScript, and I thrive on turning complex problems into clean, high-performance solutions that reduce latency and improve reliability.

I've designed secure authentication systems with OAuth2, JWT, and biometrics, built GraphQL and REST APIs powering 50,000+ requests per day, and automated CI/CD pipelines, cutting deployment time by 75% and reducing errors in production.

Skills

Frontend
React, React Native, Next.js, TypeScript, Redux Toolkit, Tailwind CSS, Material UI, HTML5, CSS3, Responsive Design, WebSocket, Chart.js, Recharts

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

DevOps & Cloud
AWS (Lambda, ECS, S3, RDS), GCP, Docker, GitHub Actions, GitLab CI/CD, Jenkins, Nginx, Vercel, Cloudflare

Testing & Performance
Jest, Cypress, Postman, Playwright, Load Testing, Sentry, Datadog

Other
OpenAI, LangChain, Stripe, PayPal, Firebase, Agile/Scrum, Jira, Code Review, Technical Documentation

Professional Experience

Full Stack Developer
Epam 🔗
01/2024 – Present | Pennsylvania, USA
• Built and optimized identity-verification and document-automation platforms with React, Next.js, Node.js, and TypeScript, handling 10k+ monthly verification workflows in a microservices ecosystem.
• Architected authentication pipelines using JWT, OAuth2, and biometrics, increasing validation speed by 30% and reducing authentication failures by 15%.
• Developed and maintained REST and GraphQL APIs on AWS (Lambda, S3, RDS), achieving 99.9% uptime and supporting a 20% increase in data throughput.
• Automated CI/CD pipelines with GitHub Actions and Docker, enabling zero-downtime deployments and boosting release stability by 25%.
• Implemented observability with CloudWatch, Prometheus, and Grafana, cutting incident-detection time by 40% and reducing MTTR by 30%.
• Collaborated with UI/UX teams and enforced WCAG 2.1 accessibility standards, raising accessibility scores by 20% and removing friction from key user flows.
• Mentored junior engineers in TypeScript, clean architecture, and TDD, accelerating onboarding by 30% and improving overall code quality.

Full Stack Developer
Simbo 🔗
01/2020 – 12/2023 | Sonora, Mexico
• Delivered platform enhancements for SMB and enterprise customers using React, Next.js, Node.js, and PostgreSQL, driving a 15–20% increase in active user engagement.
• Modernized legacy microservices and applied GraphQL federation, reducing API latency by 25% and improving interoperability across services.
• Boosted frontend performance by ~40% through Webpack optimizations, lazy loading, and dynamic imports, raising Lighthouse SEO scores and accelerating customer onboarding.
• Implemented RBAC permission controls and JWT-based sessions, strengthening security and reducing unauthorized-access incidents.

Languages

- English

Education

Engineering Degree, Information Technology
Universidad Politécnica del Estado de Morelos (Upemor) 🔗
09/2016 – 04/2020 | Morelos, Mexico

Projects

Valpac Toll Manufacturing Website & Product Platform 🔗
01/2022 – 12/2022
• Architected and delivered a modern, responsive website for Valpac, showcasing
adhesive and coating manufacturing capabilities and contributing to advanced user
engagement and lead generation.
• Built structured product and resource sections—including V-TAC dispersions, cold-seal adhesives, and customer-care/SDS downloads—streamlining access to technical data and increasing qualified leads.
• Raised performance, usability, and mobile experience through clean UI architecture, optimized navigation, and fast-loading content, reducing page load times by ~30% and improving mobile user satisfaction.

Lemonade Full-funnel performance marketing agency 🔗
01/2019 – 06/2019
• Collaborated with Lemonade.io 🔗 teams to design and execute full-funnel marketing strategies—including paid social, Google Ads, and CRO—for clients from SMEs to global brands, boosting campaign performance and client reach.
• Leveraged AI-driven automation and analytics to optimize ad creative and delivery, increasing ROI by 25–30% and scaling client acquisition.
• Partnered on creative strategy and ad production, shaping design and messaging to strengthen brand identity and drive incremental sales by 15–20%.

• Deployed containerized applications on AWS ECS/EKS and integrated CloudFront, S3, and API Gateway, achieving 99.9%+ uptime and resilient auto-scaling during peak traffic.
• Introduced Cypress and Playwright for E2E testing, reducing regression issues by 20% and improving release velocity.
• Built real-time analytics dashboards using Recharts and React Query, improving operational visibility and cutting manual reporting workloads by 30%.

Software Developer
Coderio 🔗
01/2019 – 12/2019 | Guadalajara, Mexico
• Engineered and maintained Node.js microservices powering enterprise automation and chatbot platforms, processing millions of requests monthly with high reliability.
• Configured event-driven architectures using RabbitMQ and Redis Streams, increasing message throughput by 30–40% and enhancing system resilience.
• Built real-time operational dashboards with React, Socket.IO 🔗 , and Chart.js, providing sub-second visibility into system performance for internal teams.
• Raised automated test coverage to 85%+ using Jest and Cypress, reducing production defects and boosting deployment confidence.
• Optimized MongoDB performance via indexing, aggregations, and caching, cutting peak-load query latency by ~25%.
• Developed internal CLI tools to streamline deployments and onboarding, reducing manual setup time by 50%.
• Translated complex business requirements into technical plans, improving sprint predictability and delivery efficiency.

Interests

Competitive soccer
Practice regularly and observe major league games to learn teamwork dynamics, strengthen discipline, and adopt best practices.

Problem-solving puzzles
Enjoy tackling logic puzzles and challenges that strengthen analytical thinking and decision-making.

Open-source contribution
interested in exploring community projects, improving code quality, and learning from other developers.