SEBASTIÁN MOSQUERA VALENCIA

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PROFESSIONAL SUMMARY

Systems Engineer with experience in technical leadership and Full-Stack development of web and mobile applications. I have strong foundations in programming, software design, and architecture, working with technologies such as React, Angular, Next.js, Node.js, and NestJS. I have experience integrating REST and GraphQL APIs, databases, and cloud services (AWS, GCP, and Azure). I incorporate artificial intelligence tools and AI-assisted development workflows into my work, combining software engineering expertise with new methodologies to accelerate development and build scalable, efficient, and maintainable solutions.

WORK EXPERIENCE

Home Power Colombia May 2025–Present

Technical Lead & Senior Full-Stack Developer

- Led and mentored the development team, coordinating technical activities, assigning tasks, and tracking progress toward objectives.
- Defined technical guidelines, selected technologies, and made architectural decisions to ensure the quality, scalability, and maintainability of the solutions developed.
- Developed and maintained cross-platform web and mobile applications.
- Built features for mobile applications using React Native CLI, Expo, and Flutter.
- Integrated and consumed REST APIs to enable communication between applications and backend services.
- Implemented unit tests and component validation using Jest.
- Contributed to application configuration, version control, and development processes using GitHub.
- Optimized frontend architecture and state management, reducing production errors and improving the stability of mobile and web applications.
- Managed the continuous integration of automated tests into DevOps pipelines, increasing test coverage and reducing production defects.
- Collaborated with design and product teams to define scalable architectures that supported sustained user growth.
- Coordinated cross-functional teams to ensure technical and functional alignment throughout the full development lifecycle.

Mercadeo Virtual S.A Mar 2021–Feb 2025

Senior Full-Stack Developer

- Developed and maintained multiple production web applications using React and Next.js.
- Built scalable web interfaces and reusable, maintainable components.
- Designed and integrated REST and GraphQL APIs for communication between applications and services.
- Implemented backend services using .NET Core 3.0, NestJS, and Node.js.
- Managed and optimized relational and NoSQL databases.
- Automated deployments and version control processes through CI/CD.
- Generated and delivered automated reports.
- Deployed applications on IIS and cloud platforms such as AWS, GCP, Azure, and Vercel.
- Resolved critical production incidents and maintained existing applications.

Atlas Global Solutions Jan 2020–Nov 2020

Junior Frontend Developer

- Maintained and customized websites built with WordPress.
- Handled basic Salesforce configuration and administration.
- Improved styling and user experience using HTML and CSS.
- Implemented forms and templates.
- Provided technical support and resolved low-impact issues.
- Performed basic testing and functional adjustments.

EDUCATION

Universidad de Medellín, Medellín, Antioquia, Colombia 2025
B.S. in Systems Engineering

CERTIFICATIONS

NestJS + Microservices: Scalable and Modular Applications
Udemy

CORE SKILLS

Frontend
React.js, Next.js, Angular, React Native, TypeScript, JavaScript, Redux Toolkit, HTML5, CSS, SASS/SCSS, Tailwind CSS.

Backend
Node.js, NestJS, Python, .NET, REST APIs, GraphQL, Apollo GraphQL, PostgreSQL, MongoDB, SQL Server, Supabase.

Applied AI
Prompt Engineering, LLM integration, AI assistants, and AI-assisted development workflows.

DevOps, Testing & Cloud
Docker, GitHub, GitHub Actions, CI/CD, Jest, React Testing Library, AWS, GCP, Azure, IIS, and Vercel.

LANGUAGES

Spanish (Native), English (Intermediate)