

Alejandro Sánchez Yalí

Senior Node.js Fullstack Engineer | React | Scalable Systems



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SUMMARY

Senior Fullstack Engineer with 5+ years of experience designing, developing, and maintaining scalable web applications. Specialized in Node.js and React, with a strong focus on clean, efficient, and reusable code following SOLID and DRY principles. Proven track record in code reviews, refactoring, and mentoring junior developers. Advanced English communication skills and experience working with distributed teams.

TECHNICAL SKILLS

- **Languages:** JavaScript/TypeScript (5+ years), Python, SQL
- **Backend:** Node.js, Express, RESTful APIs, Microservices
- **Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS, Redux, Zustand
- **DevOps/Cloud:** Docker, AWS, GCP, Git, GitHub Actions, CI/CD pipelines
- **Testing:** Unit/Integration Testing, TDD, Vitest, Jest
- **Other:** Performance Optimization, Scalability, Clean Architecture, SOLID, DRY
- **Soft Skills:** Code Review, Mentoring, Teamwork, Communication, English (Advanced)

EXPERIENCE

Independent IT Consultant

Aug 2024 – Present

Freelance

Remote

- Designed and delivered fullstack applications using Node.js, React.js, and TypeScript
- Led code reviews, refactored legacy codebases, and implemented best practices for scalability and security
- Mentored junior developers, supporting their technical growth and ensuring code quality
- Deployed solutions to AWS/GCP using Docker and CI/CD pipelines

Full Stack Developer

Apr 2021 – Aug 2024

Monadical

Remote Job - Canada/USA

- Developed and maintained scalable applications with Node.js, React.js, and Next.js
- Implemented clean, efficient, and reusable code following SOLID and DRY principles
- Conducted code reviews, led refactoring efforts, and improved system scalability and security
- Mentored junior team members and promoted best practices in testing and code quality
- Managed cloud deployments and CI/CD pipelines (AWS, Docker)

Full Stack Developer

Aug 2018 – Oct 2020

BCFort

Medellín, Colombia

- Built and maintained fullstack solutions with Node.js, React.js, and Python
- Developed and integrated RESTful APIs and microservices for analytics and blockchain platforms

- Ensured application scalability, performance, and reliability through testing and optimization

Professor

Universidad de Antioquia

Jan 2010 – Oct 2021

Medellín, Colombia

- Mentored research and student projects, fostering teamwork and technical growth
- Taught advanced mathematics courses and developed elective AI/ML curriculum for Mathematics Institute (1.5 years)

FEATURED PROJECTS

- **Morpheus – AI Image Generation Platform** [↗](#)

- Fullstack open-source platform using Node.js, React, and microservices
- Implemented RESTful APIs, optimized performance, and led code quality initiatives

- **Zippy – Interactive AI Avatar** [↗](#)

- Built a Next.js-based interactive avatar with Node.js backend and React frontend
- Led backend-frontend integration and codebase refactoring

- **Digital Human – Interactive AI Avatar (+ 320 Stars on Github)** [↗](#)

- Engineered a conversational AI system with Node.js, React, and microservices
- Implemented real-time data processing and system optimization

EDUCATION

Master in Mathematics

Universidad de Antioquia

Aug 2010 - Sep 2013

Medellín, Colombia

B.Sc. in Teaching Mathematics and Physics

Universidad de Antioquia

Jan 2004 - Oct 2009

Medellín, Colombia