Alejandro Sánchez Yalí

Full Stack Developer | Python, React, Microservices

LET'S CONNECT

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SUMMARY

Full Stack Developer with 5+ years of experience designing, developing, and maintaining scalable web applications. Expert in Python (Django REST Framework), React, and microservices architecture. Proven track record building robust APIs, integrating SQL/NoSQL databases, and delivering high-quality solutions in collaborative, agile teams. Strong focus on performance, testing, and professional growth.

TECHNICAL SKILLS

- Languages: Python (7+ years), JavaScript/TypeScript (5+ years), SQL, Rust, C
- Backend: Django REST Framework, FastAPI, Flask, Node.js, RESTful APIs, GraphQL, Microservices
- Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Redux, Zustand
- Databases: PostgreSQL, MySQL, MongoDB, DynamoDB
- 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 principles
- Soft Skills: Communication, Teamwork, Problem Solving, Time Management, English Proficiency

EXPERIENCE

Independent IT Consultant Freelance

Aug 2024 – Present Remote

- Designed and delivered full-stack web applications for business clients using Python (Django REST Framework, FastAPI) and React.js
- Built and optimized microservices architectures, ensuring high performance and scalability
- Integrated SQL/NoSQL databases (PostgreSQL, MySQL, MongoDB) and implemented robust API integrations
- Deployed solutions to AWS/GCP using Docker and CI/CD pipelines
- Collaborated with clients and cross-functional teams, delivering high-quality solutions on tight deadlines

Full Stack Developer

Apr 2021 – Aug 2024

Monadical

Remote Job - Canada/USA

- Developed and maintained backend services and frontend applications using Python (Django REST Framework, FastAPI), React.js, and Next.js
- Built and scaled microservices architectures for AI/ML and data-intensive applications
- Designed and optimized RESTful APIs, ensuring security, performance, and scalability
- Integrated SQL/NoSQL databases (PostgreSQL, MongoDB) and managed cloud deployments (AWS, Docker, CI/CD)

- Led code reviews, mentored team members, and promoted best practices in testing and code quality

Full Stack Developer

BCFort

Aug 2018 – Oct 2020 Medellín, Colombia

- Built and maintained full-stack solutions with Python (Django), React.js, and Node.js
- Developed and integrated RESTful APIs and microservices for blockchain and analytics platforms
- Managed cloud infrastructure and database integrations (AWS, GCP, IBM Cloud, PostgreSQL, MongoDB)
- Ensured application performance, scalability, and reliability through testing and optimization

Professor

Universidad de Antioquia

Jan 2010 – Oct 2021 Medellín, Colombia

- Taught advanced courses in Python, Machine Learning, Data Science, and Software Engineering
- Mentored research and student projects, fostering teamwork and technical growth
- Developed curriculum and promoted best practices in programming and mathematics

FEATURED PROJECTS

- Morpheus AI Image Generation Platform
 - Full-stack open-source platform for AI image generation using Python (FastAPI), React, and microservices
 - Implemented RESTful APIs, ML model integrations, and cloud infrastructure with Docker and AWS
- Zippy Interactive AI Avatar
 - Built a Next.js-based talking avatar integrating OpenAI API and Azure Cognitive Services
 - Developed backend-frontend integration in Python and TypeScript
- Digital Human Interactive AI Avatar (+ 320 Stars on Github)
 - Engineered a conversational AI system with OpenAI GPT, Whisper, and Eleven Labs
 - Implemented real-time data processing and microservices integration

TECHNICAL BLOG POSTS

- Zero-Shot Text Classification (Sep 2024)
- Neural Networks as DAGs of Parameterized Computational Programs (Aug 2024)
- View more articles

EDUCATION

Master in Mathematics	Aug 2010 - Sep 2013
Universidad de Antioquia	Medellín, Colombia
B.Sc. in Teaching Mathematics and Physics	Jan 2004 - Oct 2009
Universidad de Antioquia	Medellín, Colombia