

Tony Santana

Senior Software Engineer | Project Manager | Full Stack Developer
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Summary

Senior Full Stack Software Engineer with 7 years of experience in all stages of the development cycle for web projects. Delving into new technologies and programming best practices like clean code, SOLID principles and design patterns. Well-versed in numerous programming languages including Typescript, JavaScript, HTML, CSS, SQL. Strong background in project management and customer relations.

Education

Bachelor: **Telecommunications and Electronics Engineer** Sep 2011 – Jun 2016
Technological University of Havana “José Antonio Echeverría” (CUJAE), Havana, Cuba

Experience

OfficePuzzle Sep 2024 – Present

Senior Software Engineer

- Led the development of scalable solutions to streamline provider–caregiver–admin interactions.
- Designed and built modules for calendar management, online support, and mobile applications to optimize operational workflows.
- Collaborated with security teams to ensure HIPAA compliance and system robustness.
- Developed a custom website builder (similar to Webflow) to offer agile, personalized digital services.
- Refactored core codebases, significantly improving app speed and resource efficiency.

Technologies and tools used: Nuxt, VueJS, Vite, Docker, Microservices, Scrum, MongoDB, TypeScript, Git, GitLab, Bootstrap, Element UI.

Falabella Nov 2023 – Aug 2024

Senior Software Engineer

- Engineered and maintained key web applications within Falabella's SCC ecosystem.
- Worked closely with cross-functional teams to identify and implement process improvements.
- Introduced innovative solutions that enhanced team efficiency and product performance.
- Translated complex requirements into robust technical solutions, ensuring optimal performance and adherence to quality standards.
- Reduced deployment time by 70% through CI/CD optimization and process tuning.

Technologies and tools used: NestJS, ReactJS, Vite, Swagger, Storybook, Docker, Microservices, Scrum, PostgreSQL, GCP, JavaScript, TypeScript, Git, GitLab, TailwindCSS, Redux, CI/CD, GraphQL, Zod, Shadcn.

Cuban Air Navigation Company May 2018 – Oct 2023

Software Engineer

- Centralized the management and analysis of the logs of 4 applications in production using ElasticSearch and Kibana.
- Created a system for the management of the strategic objectives of the company, increasing by 60% the organization, control and overview of the planned tasks.
- Optimized the company's human resources activity, implementing a system that allowed the immediate and easy generation of statistical reports.
- Optimized the maintenance and management of the information flow of 2000+ computer media and 50+ company services, through a system for its control.
- Refactored outdated legacy source code from a production application, resulting in improved usability and reduced runtime performance by 10%.

Technologies and tools used: NestJS, ReactJS, Docker, Microservices, Scrum, MongoDB, MySQL, PostgreSQL, Apache Kafka, Elasticsearch, ExtJS, NodeJS, Express, JavaScript, TypeScript, Git, GitLab, TailwindCSS, Linux, Redux, NextJS.

Cuban Air Navigation Company Sep 2016 – Apr 2018

Network Administrator

- Virtualized servers with PROMOX, accelerating and simplifying the deployment of resources and applications by 80%, reducing the cost of hardware.
- Implemented digital signature server integrated with the Active Directory, saving the company 10% in office supplies costs and increasing the efficiency and speed of procedures by 70%.

Skills

- **Programing Languages**
TypeScript, Javascript
- **Microservices**
NestJS, Apache Kafka, Elasticsearch, Kibana, Redis
- **Backend Development**
NodeJS, NestJS, Express, Fastify
- **Database Management Systems**
MySQL, MariaDB, PostgreSQL, MongoDB, Redis
- **Build Tools**
Docker, Docker-Compose, Webpack, Vite
- **CI/CD**
GitHub Actions
- **Monorepo**
Turborepo, Nx
- **Other Libraries**
Redux, GraphQL, Zustand, Jotai, Zod, Storybook, Swagger
- **Methodologies**
Scrum, Agile
- **Frontend Web Development**
NextJS, React, Astro, VueJS, Nuxt, TailwindCSS, ExtJS, Bootstrap, CSS3,
- **Cloud Technologies**
GCP, AWS, Firebase, Supabase, Cloudflare, Vercel
- **Test Tools**
Jest, Vitest, Cypress, Playwright
- **Control Version Systems**
Git, GitLab, GitHub
- **ORM / ODM**
Sequelize, TypeORM, Prisma, Mongoose
- **Other Tools and Technologies**
Linux, Nginx, Apache Server
- **AI Integrations**
Hugging Face, Open AI, Vercel AI SDK, Gemini

Languages

- English
- Spanish (Native)

Certifications

- SCRUM FOUNDATION PROFESSIONAL CERTIFICATE