

BRIAN SANCHEZ

Software Engineer | Full-Stack (Angular · Java Spring Boot · Python) | AI Integration

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PROFESSIONAL SUMMARY

Software Engineer with 5+ years of experience building secure, scalable web applications and modernizing enterprise software. Strong in Angular, TypeScript, Java/Spring Boot and Python/FastAPI, with hands-on AI work: LLM assistants built with LangChain and MCP, AI chatbots, and multimodal AI products. Experienced in performance optimization, vulnerability remediation and remote, cross-functional delivery.

PROFESSIONAL EXPERIENCE

VASS — Full Stack Developer Aug 2025 – Present · Mexico (Remote)

- Designed and built an internal AI assistant (Python, FastAPI, LangChain) that centralizes business logic for projects, clients and employee experience; implemented MCP for interoperability across the different LLMs used by the team.
- Introduce Angular Signals in new developments to streamline state management, reduce change-detection cycles and improve application performance.
- Standardize reactive architecture for asynchronous data streams with RxJS, improving stability and scalability across enterprise systems.
- Remediate critical vulnerabilities in code and dependencies to meet enterprise security standards.
- Build high-performance frontends with PrimeNG and Tailwind CSS while optimizing bundle size and maintainability.

Grupo Salinas — Full Stack Developer Oct 2024 – Jul 2025 · Mexico City (Hybrid)

- Maintained and shipped new features for AI-powered chatbots using Python and FastAPI.
- Maintained and optimized mission-critical AngularJS applications, extending the lifecycle and stability of multiple portals.
- Developed backend services with Java Spring Boot, ensuring transactional consistency and operational continuity.
- Remediated web vulnerabilities to protect sensitive data, and optimized Oracle queries to improve data integrity and system performance.

Dochmart — Frontend Developer Mar 2024 – Oct 2024 · Culiacán, Sinaloa (Remote)

- Developed a reusable component library with Angular Material and SCSS, standardizing visual identity and reducing UI development time.
- Refactored critical modules and applied best practices such as lazy loading, improving load speed and navigation smoothness.
- Integrated RESTful APIs with efficient data fetching and robust client-side error handling.

DuoSceptem — Full Stack Developer Oct 2021 – Jul 2024 · Sinaloa (Remote)

- Built and maintained critical modules for e-commerce and ERP projects using Angular, React, Next.js, Java and Spring Boot.
- Developed interactive dashboards that improved the user experience of inventory and sales processes.
- Collaborated in agile workflows using Azure DevOps and Git for integration and version control.

SELECTED PROJECTS

- Creator OS** — AI video studio that writes, narrates, edits and publishes content on a local GPU, exposing 19 MCP tools. Next.js 16, TypeScript, Prisma, FFmpeg, Python model servers. Case study
- Agent 3D Mesh** — multimodal AI orchestrator bridging semantic reasoning and 3D generation. Node.js, Express, Google Gemini, Tripo3D API. GitHub
- Go Pueblos** — live interactive travel directory and map for Mexico. Next.js, React, Tailwind CSS. gopueblos.com
- AI resume evaluator** — AI-powered tool that evaluates resumes.

EDUCATION

Tecnológico Nacional de México (TecNM)
B.Eng., Information Technology · 2019 – 2024

CERTIFICATIONS

Google AI Essentials Specialization — Google (2025)
SOLID Principles & Clean Code — Udemy (2023)

LANGUAGES

Spanish — Native
English — Conversational

TECHNICAL SKILLS

Frontend: Angular, TypeScript, React, Next.js, Angular Material, PrimeNG, Tailwind CSS, SCSS
Backend: Python, FastAPI, Java, Spring Boot, REST APIs
AI: LLM integration, LangChain, MCP, AI chatbots
Data & Tools: Oracle, MySQL, AWS, Git, Azure DevOps
Practices: Software architecture, secure coding, performance optimization