

Santiago Morel

Senior Full-Stack Software Engineer

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PROFESSIONAL PROFILE

Senior Full-Stack Software Engineer with 12+ years of experience designing and shipping web and mobile applications across startup, agency, and client environments, covering frontend architecture, backend APIs, databases, and production deployment. Deep hands-on experience with TypeScript, JavaScript, React, Python, and Django, plus a track record of leading and mentoring engineering teams and decomposing business requirements into shippable technical plans. Builds LLM-powered tooling using tool-calling, structured-output extraction, and validation workflows, applying the same engineering judgment to AI-assisted development as to traditional code.

TECHNICAL SKILLS

Frontend: TypeScript, JavaScript, React, Next.js, HTML, CSS

Backend: Python, Django, Java, PHP, Laravel, Ruby on Rails

APIs & Data: REST APIs, GraphQL, PostgreSQL, MySQL, MongoDB

Cloud & DevOps: AWS, Docker, Jenkins, Git, CI/CD

Engineering Practices: System Design, Requirements Decomposition, Code Reviews, Mentoring, Agile/Scrum, Release Coordination

Applied AI: Claude API (tool-calling, structured outputs), LLM-Assisted Development (ChatGPT, GitHub Copilot), PyTorch, Hugging Face

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer

LimeLight Marketing, Pittsburg, KS | Aug 2025 – Present

- Design and build production web components and client-facing features using React, Next.js, WordPress, and BigCommerce
- Develop backend integrations connecting frontend experiences to client platforms and APIs
- Improve performance, maintainability, and UI consistency across production systems
- Collaborate with developers, PMs, and designers through sprint planning, PR reviews, and release coordination

Lead Full Stack Engineer (Technical Lead)

Mambo Business Technology (Startup Environment), Asunción, Paraguay | Feb 2014 – May 2024

- Architected and personally contributed to 50+ production web and mobile applications across multiple industries
- Led and mentored a team of 4–6 engineers through code reviews, architecture decisions, and day-to-day technical coordination
- Designed frontend and backend systems, REST APIs, and database models using JavaScript, PHP, Python, Java, PostgreSQL, and MySQL
- Translated business requirements from clients and stakeholders into technical plans, milestones, and shipped features
- Selected technologies and drove improvements to performance, reliability, and application security

Full Stack Software Engineer

Edge – Mobile Ideas, Asunción, Paraguay | Feb 2012 – Feb 2014

- Delivered custom web and mobile applications for client projects, from frontend interfaces to backend services

Software Engineer & Web Developer

Pablo VI Library, Asunción, Paraguay | Sep 2010 – Dec 2012

- Built web applications using Ruby on Rails and migrated legacy NoSQL data into relational databases

Software Developer & NOC Support

Telecom Personal Paraguay, Asunción, Paraguay | Mar 2008 – Feb 2012

- Developed internal monitoring tools and supported network operations and system reliability

SELECTED PROJECTS

- **AI-Powered Matching & Enrichment Pipeline (Personal):** Python pipeline using the Claude API for structured JSON extraction, multi-step scoring/matching workflows, and validation of AI-generated output; integrates external APIs and web scraping for data enrichment, with SQLite persistence
- **PSU Chatbot:** Conversational assistant fine-tuned from Microsoft's DialoGPT using TensorFlow, trained on Pittsburg State University data

EDUCATION

Master of Science in Technology (Information Technology)

Pittsburg State University, Graduated July 2025 | GPA: 4.0

Relevant Coursework: Artificial Intelligence, Data Mining, Software Project Management

Bachelor of Science in Computer Science

Catholic University "Nuestra Señora de la Asunción", Graduated 2012

ACADEMIC EXPERIENCE

Graduate Teaching Assistant

Pittsburg State University | Feb 2025 – May 2025

- Supported faculty in course delivery, grading, and student feedback; built a Python script to automate internal academic data workflows

ADDITIONAL INFORMATION

Authorized to work in the U.S. under STEM OPT extension | English (Fluent), Spanish (Native)