

Winston Pichardo

Software Engineer · Software people depend on.

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Full-stack engineer with 8 years building SaaS platforms, payment systems and cloud infrastructure, with a backend focus in Python/Django, Node.js and .NET. I own systems end to end, from data modeling and API design through the queues, containers and cloud environments that keep them running in production, with a track record of making slow systems measurably faster.

EXPERIENCE

Origami Risk — Full Stack Engineer

Feb 2026 – Present · Hybrid

Enterprise risk management platform for complex insurance and risk data

- Build and maintain platform features across the full stack with .NET (C#) and React.
- Optimize application performance and database interactions on a large-scale SaaS platform.
- Work with product, QA and engineering in an agile team to ship high-impact features.

Xpjoy Solutions – Tri State Awnings — Lead Backend Engineer & DBA

Dec 2023 – Present · Remote (US)

Software ecosystem running a US custom awning manufacturer end to end

- Own the entire backend infrastructure on Railway across development and production: Django API, AI agent web and worker services, PostgreSQL and Redis.
- Architected an AI agent platform where a lead agent runs a tool-use loop against a deterministic engineering engine, with specialist sub-agents and escalation to humans over live chat (Flask, Celery, Redis, Socket.IO, Anthropic API).
- Built the engineering pipeline that turns job specs into production documents, rendering per-product templates to PDF and publishing them to DigitalOcean Spaces through Celery.
- Cut workflow processing time by **91.6%** with Celery + Redis distributed task queues.
- Developed a custom K-Means routing algorithm for installation scheduling and fleet route optimization.
- Built a full two-way sync with JobNimbus CRM, plus Google Drive, Sheets and Maps integrations and push notifications for Expo / React Native apps.

Thryv — Software Engineer I

May 2025 – Mar 2026 · Remote (US)

Large-scale SaaS platform for small business management (Software Engineer Intern, Feb – Apr 2025)

- Integrated and maintained Stripe Payment and Vcita platform APIs powering billing and client workflows.
- Improved response times by up to **44.4%** on critical endpoints through query optimization and indexing.
- Refactored and migrated legacy Node.js services, shipping 4+ performance improvements per refactor.
- Built API validation middleware and managed AWS S3 buckets and lifecycle policies for secure file upload and retrieval.
- Wrote unit and integration tests across frontend and backend; proposed and implemented a responsive redesign of key platform modules.

Promipyme — Software Engineer (Contract)

Dec 2024 – Jan 2026 · Remote

Loan origination platform for the Dominican government agency financing micro and small businesses

- Built a configurable workflow engine: staff design their own loan processes with custom stages, a dynamic form builder and approval rules per credit product, with no code changes.
- Developed a drag-and-drop Kanban pipeline with real-time multi-user sync over WebSockets, used across multiple branch offices with role-based access.
- Modeled the full credit domain (funds, loan products, document requirements) with audited approval and denial flows and complete activity logging.
- Load tested to hundreds of concurrent users with Locust; shipped with Docker, Celery, Redis and S3.

Fitness Club — Software Engineer (Contract)

Apr 2023 – Nov 2023 · On-site

Management system for a gym with ~2,000 members

- Integrated fingerprint authentication with turnstile access control, granting or blocking entry automatically based on membership status.
- Automated membership enforcement so expired accounts lost door access with no manual step.
- Developed a POS system for billing, sales tracking and automated daily financial reporting.

SegurosChat — Software Engineer (Contract)

Sep 2023 – Dec 2023 · Remote

- Led requirements engineering for a large insurance provider's web application and contributed to its development with PHP/Laravel and Vue.js.

EARLIER EXPERIENCE

Centro Educativo Inspira — Full-Stack Developer (Contract), Jan 2021 – Sep 2022 · Web platform connecting teachers and parents, replacing paper notices with digital communication and activity announcements.

Instituto Iberia — Software Programmer Intern, Jan 2021 – Jun 2022 · App giving teachers quick access to class materials, plus a platform where students learned to program, ran their code and shared in a forum.

SJ Asesores de Seguros — Software Engineer (Freelance), May – Jun 2022 · Desktop billing and sales application for an insurance brokerage.

Fiverr — Freelance Developer, Feb 2018 – Apr 2021 · Websites, mobile apps and custom CMS plugins for international clients, starting as a teenager.

TECHNICAL SKILLS

Backend	Python, Django, Django REST Framework, Flask, Node.js, Express, NestJS, .NET (C#), Laravel, REST API design, microservices, Celery, RabbitMQ
Frontend	TypeScript, JavaScript, React, React Native, Vue.js, Next.js, HTML/CSS, Tailwind
Data	PostgreSQL, MySQL, SQL Server, MongoDB, Redis, query optimization, indexing strategies, Django ORM, Sequelize, Entity Framework
Cloud & DevOps	AWS (S3, EC2, IAM), Railway, DigitalOcean Spaces, Docker, Docker Compose, Kubernetes, GitHub Actions, CI/CD, Terraform, NGINX, Grafana, DataDog
Other	Stripe API, WebSockets, Socket.IO, Anthropic API and LLM tooling, load testing (Locust), Google APIs, JobNimbus, Git, Jira, Agile/Scrum

EDUCATION

Instituto Tecnológico de Santo Domingo (INTEC) B.S. Computer Software Engineering Aug 2022 – Jul 2026	Instituto Iberia High School Diploma, International Baccalaureate (IB) Aug 2018 – Jul 2022
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CERTIFICATIONS

Fortinet Certified Associate in Cybersecurity	Fortinet	FortiGate Operator	Fortinet
Huawei Cloud Advanced: Architecture & Technologies	Huawei	OWASP 2025	OWASP
Docker Foundations Professional Certificate	Docker	Career Essentials in GitHub	GitHub
English Language C1+	SmallTalk		