

Miguel Angel Villalobos Chirinos

Senior Full-Stack / Backend Engineer

PROFILE

Senior engineer specialized in e-commerce backend and operations infrastructure: order lifecycle, fulfillment, payments, and inventory systems. Proven ability to maintain 100% resolution on urgent production incidents while leading system migrations and building new products from scratch. Strong in production reliability, distributed systems, and monitoring at scale (200,000+ orders/month). Equally proficient building complex React frontend applications for internal tools and customer-facing platforms. Experienced coordinating across distributed teams spanning multiple timezones.

PROFESSIONAL EXPERIENCE

BÆRSkin Tactical Supply Co. (DivBrands)

Web Developer → Full Stack Engineer → Senior Full Stack Engineer
Sep 2018 – Present

Progressed from web developer to senior engineer, growing from building internal tools to owning 5 production services across the company's core revenue infrastructure. Currently primary engineer for order, fulfillment, payment, and inventory systems.

Key Projects & Contributions

- Led live migration of the fulfillment tracking platform (V1 → V3) during active peak growth, delivering new database architecture, authentication layer, and modular service decomposition. **Improved batch processing throughput 5.3×** (10,000 orders: 8 hours → 1.5 hours)
- Built order-to-parcel matching system from scratch that **scaled to 200,000+ parcels/month**, automating a previously manual fulfillment workflow
- Designed and built a greenfield lead management system end-to-end (backend APIs through React frontend), including authentication, search, campaign management, conversion tracking, and order creation, demonstrating ability to take a product from zero to delivery-ready
- Built automation pipelines for inventory calculations, reporting exports, and operations workflows, reducing manual work across fulfillment coordination

Reliability & Ownership (Senior Engineer, Oct 2023 – Present)

- **Resolved 100% of urgent production incidents (52/52)**, with a median resolution time of 1 day, protecting revenue across order processing, payments, and fulfillment
- Maintained system reliability as **order volume grew from ~1,700 to 200,000+ orders/month** over a 3-year period
- Coordinated across a distributed team spanning Brazil, Scotland, Serbia, and the Netherlands, aligning on migration strategy, service boundaries, and shared architectural patterns across 4+ timezones
- Served as on-call engineer, acting as first responder for production incidents: triaging issues, coordinating resolution across teams, and implementing monitoring and alerting across backend services

Foundation (Sep 2018 – Sep 2023)

- Built and maintained backend services for order lifecycle, shipping, tracking, and payment flows, establishing patterns later scaled across the platform
- Implemented integrations with Stripe, PayPal, Shopify, WooCommerce, Google Ads, and Facebook Ads, creating the multi-channel integration layer
- Built internal tools and dashboards (backend and frontend) for operations teams, reducing manual work in order processing and fulfillment. Introduced Sentry for error tracking, establishing the foundation for production observability

CPS Latam

Software Engineer | 2017 – 2019

- Built and maintained administrative and academic software for higher education institutions using Java and web technologies

EDUCATION

Bachelor's Degree in Computer Engineering

Universidad Dr Rafael Belloso Chacin | Sep 2013 – Aug 2017

Contact

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Colombia (UTC-5)

Expertise

Order Management
Fulfillment Systems
Inventory Logic
Payment Processing
System Migrations
Monitoring & Observability

Skills

Languages & Runtime

TypeScript, Node.js,
PostgreSQL, Bun

Frameworks & Tools

Next.js, Elysia.js,
Drizzle ORM, Inngest

Frontend

React, Tailwind CSS,
shadcn/ui

Architecture

Microservices, Event-Driven,
Background Jobs, Webhooks

Integrations

Stripe, PayPal, Shopify APIs

Languages

Spanish: Native
English: Advanced

Interests

Rock climbing & bouldering
Calisthenics
Hiking
Solving puzzles
Reading (classic novels,
sci-fi, fantasy)