José Blanco

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Profile Summary

Java • TypeScript • Node.js • React • Python • C++ • AWS • Distributed Systems | Ex-Confer (Carbon Black → VMware)
Founding team member at Confer, helped build one of the industry's earliest next-generation endpoint protection platforms (scalable antivirus + behavioral detection), acquired by Carbon Black → VMware.
20+ years delivering production-grade, high-throughput, real-time systems with deep expertise in concurrency, parallelism, performance optimization, and security at scale.

Career

Asurion LLC - Software Engineer

Nov 2021 - Present | Field Services & Service Bench Teams
Global technology care company delivering device protection, repair, and support solutions for millions of customers

- Redesigned mission-critical CDC pipeline for processing all service job events, including real-time monitors and alerts, reducing downtime and failures to zero.
- Led migration from Ruby on Rails to TypeScript for a high-throughput Sales Coaching + Observability + Geolocation + Route Optimization Planning + Real-Time web application supporting 30K concurrent users (Nest.js + GraphQL + CQRS + Redis pub/sub + WebSockets), reducing tech debt and increasing team velocity by 25%.
- Refactored and redesigned Field Services GraphQL with CQRS pattern and structured folder organization, improving maintainability and scalability.
- Led coding architecture, system design, and enforcement of best practices across the team, ensuring robust, production-grade solutions.
- Designed and developed core components shared across teams, enhancing interoperability and efficiency in full-stack environments.
- Optimized customer-facing React app, reducing TTI and FCP by 30% through efficient data structures and rendering techniques, enhancing user experience.
- Resolved critical authentication vulnerability, securing 50K user accounts with OAuth2 and LDAP standards.
- Authored reusable Node.js libraries for logging and metrics, adopted across teams to support observability and monitoring.
- Mentored engineers on TypeScript, AWS, and best practices, driving zero critical vulnerabilities through rigorous code reviews.
- Developed and maintained AWS infrastructure as code using Python CDK, automating deployment of Lambda, API Gateway, SQS, and related services.

Interactions LLC - Software Engineer

Jul 2017 – Nov 2021
Provider of enterprise-grade virtual assistant solutions using conversational

- Built scalable multi-tenant platform for real-time virtual assistant management, using TypeScript/React and JSON-based configurations to enable dynamic UI rendering, reducing customer onboarding time.
- Integrated secure OAuth2 and LDAP authentication, replacing legacy systems and improving security across enterprise-grade AI solutions.
- Enhanced React-based interfaces, ensuring cross-browser compatibility and meeting all accessibility requirements.

Carbon Black Inc. (CBLK) - Software Engineer

Jul 2016 - Jul 2017
Provider of enterprise endpoint security and threat detection solutions

- Developed Node.js API Gateway handling millions of events/minute, implementing rate limiting and sticky sessions.
- Mentored engineers on AWS and Elasticsearch for scalable telemetry ingestion.
- Designed and implemented the Splunk Third-Party Notification Connector in Python (Flask + gevent), deployed across the backend notification service fleet. Transformed real-time Carbon Black alerts into Splunk ES-compatible events (cb_* fields, sourcetype="cb:alert") and reliably delivered them via HTTP Event Collector with full retry, batching, and back-pressure handling under peak load.

Confer Technologies Inc. - Founding Team | Software Engineer

Aug 2013 – Jul 2016

- Engineered backend services for antivirus and endpoint detection, integrating Java Spring/microservices/Elasticsearch for scalable log processing.
- Designed and built Alerts Screen, a flagship threat detection interface adopted by enterprise customers, enhancing analyst workflows (YouTube Demo: https://www.youtube.com/watch?v=jkHeMk08aQ8).
- Designed and implemented multi-threaded, high-throughput data-processing pipelines in Java, enabling real-time behavioral detection at enterprise scale.
- Led early AWS adoption, optimizing infrastructure for high-throughput systems HornetQ/SQS/Kafka.

W2BI Inc. - Software Engineer

Jun 2010 – Aug 2013

- Developed C++-based macro-driven Android QA automation for Verizon, reducing testing cycles and enabling cross-device compatibility.
- Built reusable test frameworks, increasing throughput for telecom clients.

Earlier Experience (2000-2010)

Zasylogic S.A, P&G, Madrid, Spain

- Pioneered AibeNet, a pre-Node.js distributed JavaScript framework enabling real-time execution, P2P service discovery, and message-based communication.
- Modernized legacy Clipper app into a JavaScript/web browser/cloud-based SaaS platform, improving call center efficiency.
- Developed CRM web app with ASP and Oracle, selected for global presentation at P&G Boston HQ

Education & Certifications

- AS in Electronic Products Development, IES San Fernando, Spain, 1997
- BS in Mathematics, in progress, UNED (National Distance Education University), Spain
- LeetCode, AlgoMonster, Scala/Spark (Coursera/EPFL), System Design

Skills

- Languages: TypeScript, JavaScript (Node.js, React.js), C++, Java, C#, Python, Scala
- Cloud & Infrastructure: AWS (EC2, S3, Lambda, API Gateway), Docker, Kubernetes, Terraform
- Frameworks & Tools: Nest.js, Express.js, GraphQL, Spring Boot, Asterisk PBX
- DevOps & Monitoring: Jenkins, GitHub Actions, Prometheus, Grafana, ELK Stack
- Databases: PostgreSQL, MongoDB, Redis, MySQL
- Other: Microservices, REST APIs, OAuth2, LDAP, Performance Optimization, Distributed Systems

** References available upon request **