

JOHAN ESTEBAN HIGUITA

Software Engineer - Backend Development
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Backend Software Engineer with 5+ years building reliable, data-intensive systems with Node.js. Specialized in REST API design, distributed data pipelines, and high-volume processing with strong focus on scalability, data consistency, and observability. Experienced leading small backend teams and partnering with DevOps and product stakeholders. English: B2/professional working proficiency. Available for full-time remote, hybrid or on-site roles overlapping US time zones.

CORE SKILLS

Node.js · JavaScript · TypeScript · Express · PHP · React · REST APIs · Docker · RabbitMQ · MySQL · PostgreSQL MongoDB · Elasticsearch · CI/CD · Agile/Scrum · AWS.

PROFESSIONAL EXPERIENCE

Backend Engineer | Independent (Contract) | 2024 – Present

- Designed and built REST APIs and backend services with Node.js and TypeScript for small business and startup clients, focusing on data integrity, maintainability, and deployment readiness.
- Built a comedy events platform supporting event discovery, membership management, ticket reservations, and benefit redemption for live shows.
- Implemented MongoDB data models, API endpoints, authentication flows, and deployment workflows using AWS and Docker.

Tech: Node.js, TypeScript, AWS, MongoDB, Docker · Kubernetes

Tech Lead | Talent.com | 2021 - 2024

- Led 5 backend engineers building Node.js data pipelines processing millions of records daily; owned architecture, quality, and delivery.
- Cut data-processing time 40% by redesigning batching and RabbitMQ queue consumption, resolving critical performance bottlenecks.
- Defined monitoring/alerting (Prometheus, Grafana), reducing incident detection time and improving pipeline reliability.
- Set backend standards, code reviews, and onboarding, improving consistency and shortening review cycles across services.
- Aligned backend roadmap with DevOps, Security, and business teams.

Tech: Node.js, RabbitMQ, Elasticsearch, Python, PHP, PM2

Sr Backend Developer | Talent.com | 2019 - 2021

- Built a Node.js ingestion system aggregating data from 50,000+ sites plus JSON/XML sources, scaling to high-volume daily extraction.
- Designed a distributed processing pipeline (Node.js + message broker) to filter and classify large data volumes, improving throughput.
- Automated validation jobs that reduced Elasticsearch data inconsistencies by 98% across millions of records.

- Built internal monitoring tools (server health, request rates, latency) improving incident detection and uptime.

Tech: *Node.js, MySQL, Elasticsearch, PHP, React*

Programming Instructor | *Pygmalion Robotics* | 2016 - 2018

Taught programming fundamentals using Arduino (C/C++), sensors, and actuators; mentored students in debugging and problem-solving.

TECHNICAL MENTORING

Delivered technical talks and mentoring on JavaScript, asynchronous programming, and backend best practices for company teams and local tech communities.

Slides: slides.com/johanhiguita

EDUCATION

B.Sc. in Bioengineering — Universidad de Antioquia (2011–2018)

Intensive Full-Stack Web Development — Make It Real (2018)