

GUSTAVO RODRIGUEZ

Senior Full-Stack Software Engineer | JavaScript, TypeScript, React, Node.js, Go

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 5+ years of experience building production SaaS platforms, scalable backend services, automation workflows, and data-intensive applications. Proven success improving operational efficiency, system reliability, and processing performance using React, TypeScript, Node.js, Go, REST APIs, SQL, MongoDB, Redis, AWS, and Docker. Experienced across architecture, API development, frontend delivery, cloud deployment, production support, payments, reporting, and third-party integrations.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Go, SQL

Frontend: React, Next.js, Vite, Redux Toolkit, TanStack Query, React Hook Form, Material UI, Ant Design, HTML, CSS, SCSS

Backend: Node.js, Express.js, REST APIs, microservices, background workers, job queues, webhooks, concurrent processing, authentication, authorization

Data: PostgreSQL, Supabase, MySQL, PlanetScale, MongoDB, Mongoose, Redis

Cloud & DevOps: AWS Lambda, API Gateway, Docker, Cloudflare, Vercel, Netlify, Windows VM deployment, NSSM

Integrations: Stripe, n8n, Cloudinary, email services, third-party APIs, Excel/XLSX generation, web scraping, barcode generation

PROFESSIONAL EXPERIENCE

Context Global — Devitrak SaaS Platform | Full-Stack Software Engineer | Remote | Aug 2022–Present

- Architected and delivered major components of Devitrak, a production SaaS platform for event inventory, device assignments, attendee operations, staff workflows, payments, and reporting.
- Reduced equipment assignment and event check-in time by up to 95% by replacing manual processes with automated React interfaces, optimized REST APIs, QR-enabled workflows, and device lifecycle tracking.
- Designed a multi-database architecture using MySQL, MongoDB, and Redis for inventory, event operations, user records, caching, auditing, and asynchronous jobs.
- Increased high-volume processing capacity by developing Go workers and Node.js orchestration services for bulk imports, inventory updates, device returns, dataset processing, and background operations.
- Improved API responsiveness by moving expensive database work from synchronous requests into queue-driven worker services with retries, logging, and circuit-breaker patterns.
- Built automated Excel/XLSX reports containing inventory details, transaction records, attendee information, serial-number ranges, and barcode outputs.
- Integrated Stripe workflows for deposits, payment intents, refunds, captures, cancellations, verification, and lost-device charges.
- Developed reusable frontend architecture with React, TypeScript, React Hook Form, TanStack Query, Redux Toolkit, Material UI, and Ant Design.
- Implemented role- and scope-based access controls, multi-factor authentication, token validation, protected routes, permission enforcement, and activity logging.
- Designed background workflows for email delivery, PDF processing, spreadsheet imports, notifications, audit records, and webhooks.
- Supported production deployments and troubleshooting across AWS Lambda, API Gateway, Docker, Cloudflare, Windows VMs, NSSM, Vercel, databases, caching, CORS, workers, and third-party services.

Independent Software Development and Automation | Full-Stack / Backend Engineer | Remote | Apr 2021–Present

- Built SaaS applications and prototypes using React, Next.js, TypeScript, Node.js, Express.js, Supabase, PostgreSQL, MongoDB, and Docker.
- Automated business operations using n8n, AWS Lambda, API Gateway, scheduled jobs, webhooks, notifications, and external APIs.
- Developed data pipelines for inventory records, financial transactions, web-scraping outputs, document information, and structured reporting.
- Created resilient REST API integrations with Stripe, Cloudinary, messaging and email services, external data providers, and internal databases.

SELECTED PROJECTS

Devitrak SaaS Platform — *React, TypeScript, Node.js, Go, MySQL, MongoDB, Redis, Stripe*

Built workflows for event creation, inventory preparation, device distribution, attendee assignments, returns, replacements, lost-device handling, deposits, refunds, and reporting.

Concurrent Inventory Processing Engine — *Go, Node.js, Redis, MySQL, MongoDB*

Implemented concurrent workers for bulk inventory creation, returns, deletion, imports, and large database updates, reducing API bottlenecks through queue-driven processing and caching.

Cloud Automation Workflows — *AWS Lambda, API Gateway, n8n, REST APIs*

Automated data collection, document processing, reporting, email notifications, webhooks, and scheduled operational tasks.

Property Management SaaS — *Next.js, TypeScript, Supabase, PostgreSQL*

Developed role-based workflows for owners, tenants, and managers with authentication, row-level security, maintenance requests, quotations, approvals, and status tracking.