JOAO AUGUSTO

Senior Software Engineer | Backend

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SUMMARY

• Senior Software Engineer with +6 years of experience in the online dating and pharmaceutical retail industries.
• Main technologies include C#, .NET Core, TypeScript, SQL Server and Kafka.
• Currently working as a Senior Software Engineer at Match Group, responsible for designing and scaling distributed systems that deliver 1B+ notifications per month across 17+ global brands, implementing event-driven microservices and building AI-driven solutions.
• Regarding soft skills, often described by colleagues as a proactive team player with strong ownership, clear communication, a fast learner and effective at solving complex problems.
• Notable achievements include reducing by 50% (from ~$200k to ~$100k) the monthly operational costs of warehouse labeling and distribution processes by modernizing a legacy labeling system using C#, .NET 8, React, TypeScript, and SQL Server, thus improving warehouse distribution workflows across nationwide distribution centers.

SKILLS

• **Proficient**: C#, .NET Core, TypeScript, SQL Server, Node.js, JavaScript, React, PostgreSQL, Docker, RabbitMQ, Redis, Entity Framework, Dapper, Git, software development best practices (SOLID, Clean Code, Clean Architecture, Spec Driven Development), agile methodologies (Scrum, Kanban).
• **Intermediate**: Kafka, AWS (EC2, SQS, Lambda, S3, DynamoDB), Kubernetes, OpenTelemetry, Grafana, Prometheus, Loki, Mimir, CI/CD (Jenkins, GitHub Actions, Azure Pipelines), React Query, Nginx, Jest, xUnit, Hangfire, Storybook, AI Tools (Cursor, Claude), LLMs, MCP.
• **Beginner**: Blazor, Keycloak, K6.

WORK EXPERIENCE

MATCH GROUP (Dallas, TX - United States, Remote)

A global leader in online dating and social discovery, owning and operating brands such as Tinder, Match, Meetic, and OkCupid, connecting millions of users worldwide

Senior Software Engineer | Full-stack (02/2025 - Present)

• Reduced by 60% (from 2.5s to 1.0s avg) notification processing latency and eliminated database contention under peak load by migrating from a SQL Server queue to a Kafka-based event-driven architecture in C# and .NET, thus enabling resilient, high-throughput message processing at scale.
• Lowered by ~60% (from ~80% to ~30%) Redis master CPU utilization and improved by 75% (from ~2s to ~500ms) notification processing latency by configuring read distribution across replica nodes and implementing caching for recipient eligibility and template rendering in C# and .NET, thereby creating headroom to absorb traffic spikes without degrading performance.
• Reduced to under 5 minutes (from unbounded reactive discovery) the mean time to detect critical incidents by designing and deploying 64 alert rules across 5 backend services and delivering a self-service Grafana dashboard with real-time delivery visibility across 15+ brands, thus eliminating a class of recurring escalations from the engineering queue.
• Cut by ~80% observability ingestion costs across 2 backend services by auditing and eliminating high-volume, low-signal log events, thus improving incident investigation speed while significantly lowering infrastructure cost.

• Reduced to under 1 hour (from unbounded reactive discovery) post-deployment regression detection across 6 backend services by building AI-powered validation skills integrating the Grafana MCP, database health checks and pull request correlation to surface likely root causes and fixes, thus removing manual verification from every release.

PAGUE MENOS DRUGSTORES (Fortaleza, CE - Brazil, Hybrid)
One of the largest pharmacy chains in Brazil, with a strong national presence and a focus on health and well-being
Software Engineer | Full-stack (12/2023 - 02/2025)
• Cut by 50% (from ~$200k to ~$100k) the monthly operational costs of warehouse labeling and distribution processes by modernizing a legacy labeling system using C#, .NET 8, React, TypeScript, and SQL Server, improving distribution workflows across nationwide distribution centers.
• Minimized by 60% (from ~5h to ~2h) system downtime by implementing Kubernetes health checks and strengthening service resilience using .NET Core and distributed messaging patterns, ensuring higher availability and operational stability.
• Accelerated by 50% (from ~2h to ~1h) incident resolution by implementing OpenTelemetry-based observability, improving production debugging and system visibility.
• Boosted by 40% system throughput and reliability by introducing asynchronous communication between services using RabbitMQ, thus decoupling critical processes and ensuring stability under high load.

NDS (Maracanau, CE - Brazil, Hybrid)
A technology center within a Brazilian Federal Institute, focused on developing research-driven solutions and delivering IT services to public sector institutions.
Software Developer | Full-stack *(01/2021 - 12/2023)*
• Shortened by 30% (from ~10 to ~7 min) build times by adopting an NX monorepo architecture, thus improving modularity, deployment speed and developer productivity.
• Boosted by 50% (from ~250ms to ~120ms) frontend data-loading time by implementing caching strategies with React Query integrated with .NET Core, improving data-fetching efficiency and user experience.
• Streamlined by 70% (from ~10 to ~3 hours) the workflow time spent on manual academic and administrative processes for 4,000+ students by developing a full ERP system using C#, .NET Core, TypeScript, React, and MySQL, improving operational efficiency and reducing administrative overhead.

EDUCATION

• Bachelor's Degree in Computer Science (2026)
  • University of the Americas, Brazil

LANGUAGES

• **English**: advanced | fluent | C1
• **Portuguese**: native | advanced | fluent
• **Spanish**: basic communication | fluent reading