

NATANAEL BORGES

Senior Full Stack Developer | C# | .NET Core | React | Angular | Azure

Melbourne, VIC, Australia | Full Australian working rights (subclass 485) | Available immediately

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PROFESSIONAL SUMMARY

Senior Full Stack Software Engineer with 12+ years of professional experience building scalable applications and distributed systems using C# and .NET. Experienced in high-volume e-commerce platforms, REST API integrations, automation pipelines, data processing systems, and complex enterprise environments. Since 2024, working as a Software Engineer in Australia on a production-grade media streaming platform for a confidential private client. Contributing across the full technology stack, including a .NET 9 REST API built with Clean Architecture, CQRS, and DDD, a Next.js frontend, and Azure cloud infrastructure, with a strong focus on scalability, reliability, and maintainability. Previously spent five years at Luizalabs, the technology and engineering arm of Magazine Luiza, one of Brazil's largest retail and e-commerce companies, working on mission-critical systems serving millions of users across backend, frontend, security, and cloud infrastructure. Comfortable working across the full technology stack, from maintaining legacy .NET Framework applications to designing modern cloud-native architectures. Currently completing a Diploma in Cybersecurity in Melbourne and actively using AI-assisted development tools, including Claude, GitHub Copilot, and Cursor, as part of my daily coding, debugging, testing, and documentation workflow.

KEY SKILLS

Backend & Architecture: C#, .NET Framework, .NET Core (.NET 6 to .NET 9), ASP.NET Core, ASP.NET MVC, RESTful APIs, Clean Architecture, CQRS, DDD, Microservices, Modular Monoliths, Event-Driven Architecture, Entity Framework Core, Dapper, LINQ, Python.

Frontend: React (Hooks, Context API, state management), Angular, Next.js, React Native, TypeScript, JavaScript (ES6+), HTML, CSS.

Azure Integration Services: Azure Functions, Service Bus, API Management/API Gateways, Logic Apps, Event Grid, Event Hub.

Cloud & DevOps: Azure (App Service, Blob Storage, Key Vault, Azure DevOps), AWS, GCP, Docker, Kubernetes (AKS), CI/CD pipelines, YAML pipelines, Git.

Databases: SQL Server, SSIS, PostgreSQL, MySQL, Redis, MongoDB, Elasticsearch.

Messaging & Integration: RabbitMQ, Azure Service Bus, event-driven architecture, third-party API integration, webhooks.

Testing & Security: xUnit, integration testing, TDD, JWT authentication, ASP.NET Core Identity, OAuth2/SSO (Keycloak), RBAC concepts, encryption (RSA, AES, DES, ECC), hashing, secure coding practices.

AI-Assisted Development: Claude, GitHub Copilot, Cursor integrated into daily coding, debugging, code review, and documentation workflows.

Practices & Tools: Agile/Scrum, Git, GitHub, GitLab, Jira, Confluence, code reviews, mentoring.

Languages: Portuguese (Native), English (Advanced), Spanish (Basic).

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer | Confidential Media Streaming Platform

Jan 2024 – Jun 2026

Remote, Australia | Stack: C#, .NET 9, Next.js, React, React Native, TypeScript, PostgreSQL, Redis, Docker, RabbitMQ, Azure

- Contributed as a senior developer to a production streaming platform for a private media client, working across backend, frontend, integrations, application architecture, deployment, and cloud infrastructure.
- Supported the management and delivery of a large-scale content catalogue, as evidenced by a production system handling 147,000 content records, by designing and developing .NET 9 REST API components using Clean Architecture, CQRS, and DDD, alongside Next.js frontend features.
- Reduced data access latency on resource-constrained devices, as evidenced by average load times decreasing from 3.5 seconds to 2.1 seconds on TV hardware, by implementing an IndexedDB caching layer for large datasets.
- Improved ingestion reliability, as evidenced by more consistent processing of document-based data and external source integrations in production, by implementing secure JWT authentication with refresh token rotation, document-driven ingestion pipelines, and integrations with EPG feeds through managed API endpoints.
- Improved processing resilience under load, as evidenced by the decoupling of long-running workflows and asynchronous message processing in production, by integrating RabbitMQ message queuing into the platform architecture.

- Improved release reliability and deployment efficiency, as evidenced by automated and repeatable production deployments, by contributing to the design and management of Azure infrastructure, including App Service and Azure Database for PostgreSQL, with automated CI/CD pipelines.
- Expanded platform availability across four TV environments, as evidenced by production deployments targeting Android TV, Apple TV, LG webOS, and Samsung Tizen, by contributing to the architecture and development of a cross-platform TV application within a monorepo, including remote-control navigation and performance optimisation for TV hardware.

Senior Full Stack Software Engineer | Luizalabs (Magazine Luiza)

Sep 2018 – Dec 2023

Sao Paulo, Brazil | Stack: C#, .NET Framework, .NET Core, ASP.NET Core, EF Core, Dapper, React, Angular, TypeScript, Python, GCP, SQL Server, MySQL, Redis, Azure, RabbitMQ, Keycloak

- 45% reduction in API integration errors across 6 mission-critical services, by redesigning REST API pipelines and API Management/gateway configuration, and introducing xUnit and integration test frameworks.
- 30% improvement in backend performance sustaining 40%+ traffic growth with no additional infrastructure cost, by refactoring ASP.NET Core services, optimising EF Core and Dapper queries, and tuning SQL Server indexes across high-volume e-commerce flows.
- End-to-end React and Angular frontend delivery for high-availability e-commerce applications serving millions of users, building reusable component libraries, responsive UIs, and TypeScript-typed interfaces.
- 30-40% faster delivery cadence across 3 product squads, by establishing CI/CD pipelines in Azure DevOps, code review culture, and engineering best practices.
- Secure payment and authentication flows implementing ASP.NET Core Identity and, in a later phase, Keycloak (SSO/OAuth2), together with JWT authentication with refresh token rotation and encryption modules across B2C and B2B transaction flows.
- Modernised legacy .NET Framework services to .NET Core incrementally, reducing technical debt while keeping business-critical systems running.
- Contributed to architecture governance and mentored engineers across cross-functional squads, enforcing engineering standards for code quality and maintainability.

Full Stack Software Engineer | Zicard | Accentiv

Dec 2015 – Sep 2018

Sao Paulo, Brazil | Stack: C#, .NET Framework, ASP.NET MVC, Entity Framework, Angular, JavaScript, CSS, SQL Server, Git, Azure, Node.js, MySQL, AWS

- 25% faster document workflow processing across 4 customised incentive platforms, by delivering REST API integrations and backend services using C# and ASP.NET, with SQL Server data access via Entity Framework, alongside UI development tailored to individual client profiles.
- 30% improvement in code quality and delivery efficiency across the engineering team, by establishing Git branching standards, pull request review workflows, and shared test frameworks.
- 20%+ reduction in manual data handling across operations teams, by building robust integrations connecting internal and external APIs.

Back-End Software Engineer | Tecsidel

Jan 2015 – Dec 2015

Sao Paulo, Brazil | Stack: C#, ASP.NET, Python, MySQL, SQL Server, Git

- 15% fewer deployment issues by implementing QA optimisation processes and integrating a test framework into the ASP.NET release pipeline.
- 25% improvement in data protection by introducing encryption and hashing standards for enterprise document processing services.
- Automated workflow integrations reducing manual data-entry errors, by building REST API connections between internal and external tools.

EDUCATION

Diploma in Cybersecurity | Laneway Education, Victoria, Australia
Bachelor of Computer Science | UNIFENAS, Brazil

2024 – 2026
2010 – 2014

CERTIFICATIONS AND COURSES

Software Architecture (DDD, CQRS, Microservices, Event-Driven) | FIAP

2022 – 2023

Rich Domain Modeling | Caelum

2021

Encryption and Hashing (RSA, AES, DES, ECC) | Impacta

2020 – 2021