Breno Mayder Cruz

Software Architect | Senior Software Developer

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01 PROFESSIONAL PROFILE

Software architect and developer working in software since 2008. I design and build web systems, mobile apps, APIs and integrations. My work focuses on modular architecture, data and operations. I currently work as a software architect and co-founder at InspectApp.

02 SKILLS

Backend: Go; PHP / Yii2 / Laravel; Python / FastAPI; C# / .NET; REST; WebSocket.

Web and mobile: React / Next.js; TypeScript; Angular / Ionic / Capacitor; Flutter / Dart; Vue; HTML / CSS.

Data: SQL Server; MySQL; PostgreSQL; Oracle; Redis; SQLite. Data modelling, queries and integrations.

Cloud and DevOps: AWS; OCI; Azure integrations; Linux; Docker; Nginx; systemd; Git / GitHub Actions; CI/CD.

Architecture and AI: SOLID; API contracts; module boundaries; risk-based tests; context, review and evidence in AI-assisted development.

03 PROFESSIONAL EXPERIENCE

Software Architect · InspectApp

May 2022 - Present

- Co-founder working with Alcimar Bonomi and Breno Soares on inspections, custom forms and field operations.
- PHP / Yii2 platform and APIs with SQL Server; Ionic / Angular / Capacitor app and .NET / C# report generation.
- Architecture and updates across the web system, mobile app, data contracts and services.

Senior Software Developer · SourceOne

Dec 2023 - Apr 2024

- Maintained and updated applications built with Laravel, React and Vue.
- Developed and integrated C# APIs, with troubleshooting and fixes for existing flows.

Software Architect · S&S Soluções em TI (DFSistemas)

Aug 2018 - May 2022

- Designed and developed web systems and apps, including naGestão, Unatrix and Inova's HR system.
- Built reusable components, contracts and integrations. Built Inova's system from scratch, with administration, portals and a Flutter app.

Breno Mayder Cruz

Projects, experience and education

04 SELECTED PROJECTS

Alceberg | Design and development

Monitoring with Go agents, a PHP / Yii2 system, Go runtime and Flutter app. MySQL and Redis Streams support processing.

BovControl | Developed with Breno Soares

Cattle management with a Go API, React / TypeScript portal, Flutter app, SQL Server and local SQLite data.

AInalise | Design and development

AI analysis: Python / FastAPI API, SQL connectors, local agent, React system and Flutter app. Oracle, SQL Server, MySQL and PostgreSQL sources.

FretUp | Design and development

Music practice in Flutter / Dart, with audio, local progress and native Kotlin and Swift / WidgetKit integrations.

Printora | Design and development

3D printer diagnostics: React UI, Python / FastAPI API, Go agent and SQLite. Klipper / Moonraker integrations.

Inova | Built from scratch for a client

HR from hiring to offboarding: PHP / Yii2 system, client and employee portals and a Flutter app.

05 EARLIER EXPERIENCE

TCEMG · work through Inova Tecnologia

2013 - Aug 2018

Event, ombudsman, public information and contract systems with PHP, C#, Angular, .NET and Oracle.

Systems Analyst · HAMY

Jan 2009 - Jul 2018

Websites, CMS and business systems, with development and direct client contact.

Java Development Trainee · CI&T

2008 - 2009

Java development in a scientific research project, with analysis, design and implementation.

06 EDUCATION AND LANGUAGES

Postgraduate studies in Distributed Software Architecture · PUC Minas

Information Systems · PUC Minas

Native Portuguese. Intermediate English.

Engineering with AI. I created modelo_projetos: an AI-assisted engineering base that connects requirements, decisions, code, review and evidence. Public kit under the MIT license. Explore the model