

JAROD CAVALCANTE

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PROFESSIONAL SUMMARY

Full Stack Developer operating across the entire software development lifecycle, from frontend architecture to cloud infrastructure. Hands-on experience solving complex problems using **AWS**, **Python**, and the **JavaScript/React** ecosystem. Focused on automation, CI/CD process improvement, and continuous value delivery, with the ability to easily transition between different technologies and technical challenges.

Main Stack: React, Next.js, Python, AWS (Serverless), Terraform, Docker.

PROFESSIONAL EXPERIENCE

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| Full Stack Developer <i>Fundação Cearense de Pesquisa e Cultura (FCPC)</i> | 10/2021 – Present <i>Remote</i> |
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- **Full Cycle Performance:** Act directly across all project fronts, serving as the focal point for resolving bottlenecks in both Frontend and Cloud Infrastructure.
 - **Frontend & Infrastructure:** Collaborated on migrating frontend infrastructure to **AWS** (S3 + CloudFront + Lambda) using **OpenNext** and **Turborepo**. Implemented CI/CD pipelines in **GitHub Actions** that automatically generate **Feature Environments** for testing.
 - **Backend & AWS Cloud:** Develop and maintain serverless services in **Python**, integrating diverse resources such as **IoT Core**, **Timestream**, **DynamoDB**, and **Cognito**. Responsible for provisioning these resources via **Terraform** and **Serverless Framework**.
 - **Documentation & Processes:** Organize and maintain technical documentation, facilitating new member onboarding and ensuring code standardization.
 - **Autonomy & Decision Making:** Actively participate in architectural decisions, proposing cost and performance optimization solutions based on daily practical experience.

PROJECTS AND PRACTICAL EXPERIENCE

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| Meu Trocado <i>Financial SaaS</i> | meutrocado.jarod.dev |
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- End-to-end construction (from design to deploy) of a financial SaaS using **Next.js** and **Supabase**, focusing on simplicity and high performance.
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| Recursofy <i>Resource Management</i> | unipad.jarod.dev |
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- Full Stack development of a resource allocation system using **Node.js**, **Prisma**, and **Docker**, ensuring a consistent and containerized development environment.
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| Unipad <i>Code Sharing</i> | unipad.jarod.dev |
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- Developed a Full Stack code-sharing application (Pastebin-like) using **React.js** on the frontend and **Node.js** on the backend, with data persistence in **MongoDB**.

EDUCATION

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| Bachelor of Computer Science <i>Universidade Estadual do Piauí (UESPI)</i> | 01/2021 – 12/2025 |
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| Associate Degree in Information Technology <i>Colégio Técnico de Floriano (CTF/UFPI)</i> | 01/2017 – 12/2019 |
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TECHNICAL SKILLS

- **Languages:** JavaScript/TypeScript, Python, SQL.
- **Frontend:** React, Next.js, Tailwind CSS, OpenNext.
- **Backend & Cloud:** Node.js, AWS (Lambda, IoT, DynamoDB, S3, Timestream), Serverless Framework.
- **Infrastructure & Tools:** Docker, Terraform, Git, GitHub Actions, Linux.