

# JAROD CAVALCANTE

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## SOFTWARE DEVELOPER

Software developer with 3 years' experience in the full development cycle, working with web applications, automation and cloud infrastructure. With experience in AWS, CI/CD, TDD, React, Next.js and Python. Comfortable working in English for technical documentation, team collaboration, and project communication.

AWS | Lambda | API Gateway | CloudFormation | Terraform | S3 | CloudFront | DynamoDB | React | Next.js | TypeScript | JavaScript | Python | Node.js | PostgreSQL | GitHub Actions | CI/CD | REST APIs | Serverless | Infrastructure as Code | Continuous Integration | Deployment Automation | Scalable Architecture | Supabase | Monorepo (Nx) | Lambda Layers | EventBridge | IAM | Linux | Docker | TDD

## WORK EXPERIENCE

**Fullstack Developer | Fundação Cearense de Pesquisa e Cultura | Remote | Oct 2021 – Present**

- Developed and maintained fullstack web applications using React, Next.js, and NX, delivering responsive and high-performance user interfaces.
- Designed and deployed serverless backend solutions with Python and AWS Lambda, integrating services like IoT Core, DynamoDB, RDS, and Timestream for real-time data processing.
- Implemented CI/CD pipelines with AWS CodePipeline, CodeBuild and also Github Actions, streamlining deployment processes and improving development efficiency.
- Managed integration with AWS services (Cognito, S3, CloudFront, API Gateway) to ensure secure, scalable, and reliable application infrastructure.
- Contributed to the modernization of legacy systems by adopting cloud-native architectures, improving maintainability and scalability.
- Collaborated with multidisciplinary teams to align technical solutions with business objectives and project timelines.

## PROJECTS

**Recursofy | recursofy.com**

Developed a SaaS platform to streamline resource allocation for universities and companies, covering assets like classrooms, smart boards, and vehicles. Designed and implemented backend services with Node.js and Prisma (PostgreSQL), containerized with Docker for scalable deployments. Integrated Firebase for secure authentication and built features for scheduling, notifications, and detailed usage reports.

**Unipad | unipad.jarod.dev**

Created a web application for quick code sharing and collaboration, enabling users to create, host, and share code snippets with ease. Developed the frontend with React.js and the backend with Node.js, utilizing MongoDB for data persistence. Focused on user experience and fast deployment for individual developers and small teams.

## EDUCATION AND CERTIFICATIONS

**Universidade Estadual do Piauí (UESPI) — Bachelor's in Computer Science | Jan 2021 – Present**

Currently pursuing a degree in Computer Science, with focus on software development, cloud infrastructure, and web technologies.

**Colégio Técnico de Floriano (CTF/UFPI) — Technical Degree in Information Technology | Jan 2017 – Dec 2019**

Completed High School and Technical Degree in IT. Participated as a CNPq and Pibic Jr Scholar, engaging in research and applied technology projects.