

# Jorge R. Barreto

Miami, FL • Open to Relocation

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<https://jorgebarreto.dev>

<https://www.github.com/jorge-barreto>

## Experience

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### Software Developer

12.2020 - Current

Kikoda, LLC – Tallahassee, FL

JavaScript, C#, ASP .NET Core, SQL

- **Frontend Development:** Achieved a 60% reduction in time to paint on the primary landing screens of a legacy React application by employing efficient data fetching strategies (lazy loading and interruptible network requests, among others) for an enhanced user experience
- **Backend Development:** Led a team of engineers in creating an analytics platform (React frontend + C# / .NET backend) leveraging AWS Redshift to implement a custom row-level security system in order to dynamically control user access to the Tableau visualization solution
- **Cloud Development:** Directed the migration of AWS cloud resources to an infrastructure-as-code setup using the AWS CDK .NET API, reducing infrastructure risk and ensuring consistent deployments
- **Test Driven Development:** Ensured consistent delivery of quality code by driving team adoption of TDD and instituting automated testing using Jest and React Testing Library, resulting in a 30% reduction in task rework
- **CI/CD:** Designed and established deployment pipelines using AWS CodeBuild and CodeDeploy, reducing deployment times by 30% and freeing up developer resources through CI/CD practices
- **Cost Optimization:** Led an initiative to consolidate cloud costs by optimizing resource allocation, after building a dashboard to demonstrate resource underutilization, saving the customer over 50% cost per month

### Junior Software Developer

09.2020 - 11.2020

Kikoda, LLC – Tallahassee, FL

JavaScript, C#, Node.js, SQL

- **Frontend Development:** Improved performance of a React-Redux SPA page by 400x-700x under production loads by implementing memoization techniques for constant time data access and updates
- **Performance Optimization:** Developed and configured Dockerfiles and docker-compose setups enabling developers to run any part of the microservices stack locally, improving testing efficiency by up to 40%
- **Microservices Development:** Reduced Docker build times by more than 80% by employing Dockerfile layer caching, saving hundreds of developer hours over the span of the project

## Open Source

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### aws/aws-cdk

[Repo](#) | [Issue](#) | [Pull Request](#)

- Implemented methods to filter by commit message in the AWS CodeBuild FilterGroup class, enhancing search functionality and contributing to project optimization

## Technologies

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**Languages:** JavaScript • C# • Ruby • HTML5 • CSS • Bash • Powershell

**Frameworks:** Rails • React • Redux • Styled Components • Node.js ASP.NET Core • .NET Framework • Webpack

**Databases:** Oracle • PostgreSQL • MySQL • Redis • MongoDB

**Infrastructure:** WebSocket • NGINX • Docker • gRPC • Git • Redis • GraphQL • Linux • AWS • EC2 • ECS

## Education

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### New College of Florida

Bachelor of Arts in Philosophy

Sarasota, FL

08/2011 - 05/2015