Marcos Avila Villamor

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Experience

Co-Creator, Software Engineer, *Trellis* ⌐   2022 – present
- Collaborated in the creation of a CI/CD pipeline for serverless applications utilizing Node.js, AWS CDK, and AWS SDK.
- Developed a dashboard that simplifies the deployment of serverless applications, including API Gateways, Lambda Functions, ECS tasks, and DynamoDB.
- Built a build server using Fargate Task that retrieves containers from ECR and integrates with AWS Secrets Manager to securely manage confidential information.
- Designed and implemented a backend system composed of a series of serverless functions, an API gateway, and a DynamoDB.
- Created a user-friendly dashboard using React, hosted on AWS S3 and delivered through AWS CloudFront, to enhance the deployment process for serverless applications.
- Authored a comprehensive case study highlighting the problems Trellis solves and the design choices and trade-offs made during its development. Read the case study. ⌐

Full-Stack Web Developer   2020 – 2022
- As a self-employed full stack software developer, I have demonstrated proficiency in developing open source software using a wide range of technologies including Ruby, Node.js, Express, React, PostgreSQL, MongoDB, SQLite, HTML/CSS and others
- REQUEST8IN - A real-time tool for monitoring and receiving webhooks, utilizing DigitalOcean Droplet, Express, MongoDB, Node.js, Nginx, PostgreSQL, React, and Pug
- Shopping Cart - A database-backed e-commerce app, Shopping Cart, using React, MongoDB, Node.js and Docker
- RecipeBoss - A recipe saving app, RecipeBoss, that generates a weekly shopping list of ingredients using ERB, Ruby, and Sinatra.

Creative Director,   2012 – 2019
Miami Vibe Dancesport, Commonwealth Classic Dancesport
Experienced in general production, design implementation, branding, and marketing with a proven track record of delivering results.

Freelance Digital Media Production, *Koseyface.com - a*   2010 – 2019
full-service boutique social media marketing agency
Specialized in video production, marketing, branding, graphic design, photography, and website development with a focus on fashion, live events, and professional ballroom dancing industries.

Skills

Languages
JavaScript, Ruby, Golang, SQL, C, HTML/CSS

Frameworks
Express, React, Sinatra, Serverless, SST

Cloud
Digital Ocean (Droplets), Heroku, AWS (CDK, ECR, ECS, Cognito, Fargate, Lambda, Secrets Manager, API Gateway, CloudWatch, CloudFront, S3, DynamoDB)

Other Technologies
Git, Github, Linux, Node.js, HTTP, RESTful APIs, PostgreSQL, MongoDB, SQLite, Docker, Jest

Education

Software Engineering & Web Development, *Launch School*
A mastery-based school for software engineers: launchschool.com/employers ⌐

Bachelor of Business Administration - BBA Marketing and Advertising,
Baruch College Zicklin School of Business - The City University of New York ⌐