YOAQUIM CINTRON

ENGINEERING LEADER & SENIOR SOFTWARE ENGINEER

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WHAT YOAQUIM IS GOOD AT

ENGINEERING LEADERSHIP

PROJECT DELIVERY

LEVERAGING LLMS

SOFTWARE

INFRASTRUCTURE

FRONTEND ENGINEERING

DATA ENGINEERING

PLATFORM ENGINEERING

CLOUD OPERATIONS

DEVELOPER OPERATIONS

SUMMARY

Decade-long software and platform engineering veteran with a diverse skill set spanning DevSecOps, cloud infrastructure, frontend development, and AI integrations via LLMs.

Recognized expert in Terraform and Infrastructure-as-Code, with a rich portfolio of React applications. Proven ability to drive value in complex projects, backed by a strong foundation in Typescript, Python, and Java.

Adept at leading and mentoring teams with a focus on communication, passion, and effective project management.

EDUCATION

UNIVERSITY OF PUERTO RICO AT MAYAGUEZ

MAY 2014
B.Sc. Computer Engineering

WORK EXPERIENCE

BETABIT   JAN.2019 - PRESENT
OWNER & CHIEF CONSULTANT

CLIENTS

ALLIED WORLD
CONSULTANT, DATA & PLATFORM

- Spearhead new LLM Project: using Llama Index, Local LLMs — integrate with other parts of the Platform

- Define and build Data Processes: help define the Data Platform team and best practices

- Delivered a dynamic Data Platform with on-demand reports capability

- Leveraged Redshift and DMS to ensure data parity across internal EDWs and Products

- Used Terraform, CDK, and Chalice to build out Data Platform infrastructure

- Built Terraform AWS Cognito Module for Insurance Portal authentication

- Led team to deliver Insurance Portal

SKILLS

- GPT Integration
- Hugging Face
- Llama Index
- AWS
- Typescript
- Javascript
- Python
- Docker
- Terraform
- Terragrunt
- Airflow
- Java
- CDK
- NodeJS
- React
- Ionic
- Tailwind
- Bash
- Github Actions
- PostgreSQL
- Redshift
- Fargate
- Lambda
- Airbyte
- Supabase
- Serverless
- Chalice
- Prompt Engineering

PROJECTS

MAGNITUDE
LLM POWERED VISUAL CHAT

- Full web app using React, OpenAI API, Llama Index, Supabase, and Prompt Engineering

- Can upload a document (PDF, CSV, etc.) and asks questions on said document.

- Can generate visual graphs off of data from documents

SWRPG MANAGER swrpgmanager.yoaquim.com
GAME MANAGEMENT WEB APP

- Full web app using React, Tailwind, Supabase, Cloudfront, Github Actions, and MixPanel for events.

- Daily usage, growing userbase

ATTUNE INSURANCE DEC.2018 - FEB.2022
HEAD OF DEVOPS & SENIOR ENG. MANAGER

- Build a platform where each employee had access to their own environment, through a GUI, with various deploy targets and capabilities

- Manage engineers across two teams, focusing on performance, career growth and mentoring

- Migrate all infrastructure from legacy cloud to AWS, cutting down yearly costs from $1.2M to $400K

- Scale DevOps team, processes and practices, organization-wide

- In charge of Security Initiatives and Technical Compliance

- Terraform (Infrastructure-as-Code) all infrastructure, including IAM users and permissions

- Created Sandboxes: ability for anyone in the company to create a copy of production environment with a couple of clicks

- Implemented entire logging, monitoring, and alerting stack for all services and systems

- Cross-functional leader: integrate and manage projects across the entire company

INTENT MEDIA MAR.2015 - DEC.2018
SOFTWARE, DEVOPS, ENG. MANAGER

- Manage and mentor junior engineers

- DevOps Lead for the Data Engineer Team

- Delivery Lead for Backend Team, ensuring goals are on track

- Implemented an automated, model training system in EMR and Spark

- Created a service that would serve up model predictions

ZEMI github.com/yoaquim/zemi
OSS DATA-DRIVEN API FRAMEWORK

- zemi is a data-driven and reverse-routing library for Express
- built from the ground-up with Typescript, tests, code maintainability, CI/CD pipelines, documentation, and more.

- Declarative, data-driven configuration

- Recursive library

- 100% code coverage

- Grade A, Codeclimate Maintainability

- Fully documented

- Offloads handling: user has total control over route functionality

SANDBOXES
ON-DEMAND, PERSONAL DEV ENVIRONMENTS

- At Attune, spearheaded the design and implementation of an internal product: "Sandboxes".

- Enabled employees to create controlled replicas of our production environment via a UI.

- Each Sandbox supported individualized service versions within our stack.

- Revolutionized testing by facilitating comprehensive tests in near-production conditions.

- Dynamic environments meant you could spin up envs on-demand

- Rapid testing tool: Product Owners could test changes ASAP, and with high confidence

- Graphical Interface made using easy, especially for non-tech stakeholders

- Ability to deploy any service's (e.g. api, frontend) Git branch to a given Sandbox

- Each Sandbox user had their own link, which mapped to their own cloud space

- Migrate legacy systems to AWS ECS, Lambdas, S3 and more

- Implement a serverless, high-traffic, API on AWS

- Automate testing and deployment (CI/CD) of squad products

- Backend Java work with a heavy focus on TDD

HACKERATI   JAN.2015 - SEP.2015
SOFTWARE ENGINEER

- Consultant leading new projects and resolving software challenges

- Expertise in scalable frontend solutions and team augmentation for deadline adherence

- Spearheaded internal projects for public product ideation.

- Successfully develop and deploy an e-commerce Angular app

- Consultant brought on to client projects

- Led in-house initiatives & projects

- Manage responsibilities of consulting and dealing with external clients

OPTIVON   OCT.2013 - DEC.2012
SOFTWARE ENGINEER

- Integral member of a product development team for a law-enforcement software suite

- Pioneered the Android app foundation

- Fully executed the web app's backend, frontend, and cloud infrastructure

- Tech lead, making decisions on tech stack, DevOps and solutions

- Developed an Android app, Web app and API

- Worked on official United States Coast Guard Android app

- More than just tech work: design, sales and everything in between