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Top Skills

Feathers

Functional Programming

Amazon Web Services (AWS)

Alexis Abril

Senior Partner Engineer at GitHub
Dallas, Texas, United States

Summary

Always learning and currently focused on expanding my knowledge of pre-computed, unidirectional, data flows for high-concurrent systems. Primarily using the AWS suite, notably Lambda and DynamoDB, with Node.js. A notable side-project concentrates on applying these patterns for a WebSocket-based system within the Google Cloud suite, notably Cloud Run and potentially DataStore.

Experience

GitHub

Senior Partner Engineer

September 2022 - Present (2 years 3 months)

Primary technical contact with partners' engineering teams to GitHub compute products, such as Actions, Apps, and Runners. I act as a first-line consumer, prototyping new applications and onboarding partners in developing software products based on new GitHub platform products.

Paceline

1 year 10 months

Engineering Manager

July 2021 - August 2022 (1 year 2 months)

Dallas, Texas, United States

Following the initial round of development to reach the market, I lead a team of highly skilled engineers in the development of new features, following our pattern of functional programming and pre-computed data for a high-concurrent system, powered by AWS Lambda and DynamoDB, amongst other AWS family products.

Senior Cloud Engineer

November 2020 - July 2021 (9 months)

Dallas, Texas, United States

Contributing to a new age, Fintech product, where users are financially rewarded for healthy habits. This involved developing Node, RESTful APIs and micro-services in the AWS suite of products, notably AWS Lambda. Interfacing

with third-party services, such as the underlying financial products, through a set of webhook-based systems, allows for a customizable financial product unlike most. As a consequence, I am listed as an author on one of our pending patents for this layer of communication between Paceline's systems and the various third-party financial services.

Aquil.io

Co-founder

June 2017 - November 2020 (3 years 6 months)

Dallas, Texas, United States

With a close friend and colleague, we formed a consulting agency with a focus on making our development synonymous with quality. We versed ourselves in 3-point estimations and contractually guaranteed results for our clients. Our project management skills were a focal point as we used our prior knowledge of breaking down complex software problems into simpler tasks to hone how we distributed work amongst a team of developers and designers.

Development was full-stack, using FeathersJS and Node for RESTful and WebSocket-based APIs, with a service-oriented architecture, and React for UIs. Additional tools were project specific, such as webpack, Next.js, and Tailwind CSS. A notable project was a Canvas-based web application, allowing for the identification of nodes needing to be addressed in a client-tailored lifecycle.

Bitovi

Senior Software Engineer

June 2011 - June 2017 (6 years 1 month)

Dallas, TX

Joining a consulting agency allowed me to work with incredible people, solve interesting and unique problems, at a scale and pace unique to high-performing teams. I was part of a team hired, primarily by medium to large corporations, with their own team of Senior Engineers, however, were in need of expanding their skills in JavaScript, web-development, or getting their project across the finish line.

The first couple of years were focused exclusively on web application, UI development. Architecture patterns, specifically tailored to the browser, were our specialty. I contributed to tooling, developed by Bitovi, that had not yet existed in the industry:

* CanJS - a JavaScript, MV* framework

* FuncUnit - a JavaScript testing framework which runs in browser, simulating user actions

A notable contribution to CanJS was the initial version of live-binding for EJS (embedded JavaScript) templates, demoed at JSConf 2012.

Following the UI-specific development, we expanded into full-stack development with Node and training for clients, meetups, and conferences. As one of the Senior Engineers, I led teams for multiple client projects and was the primary trainer for new client teams. Training was typically a 3-day to 2-week course of JavaScript, jQuery, and CanJS concepts. Notable exercise was to develop a jQuery-lite version with trainees, allowing people to apply JavaScript and DOM fundamentals to real-world use cases.

AutoRevo

Senior Software Developer

April 2010 - June 2011 (1 year 3 months)

Plano, Texas, United States

An opportunity not to be missed was re-joining the AutoRevo team with a new version of the core systems, migrating from the original .NET infrastructure to a Ruby on Rails system. The core MSSQL database remained, however, a new Rails interface was developed utilizing jQuery and Backbone.

Key contribution for this phase was the concept to develop a new mobile-focused interface for the consumer facing websites. A simple set of new RESTful APIs were developed in C# and consumed by a new jQuery Mobile UI. This architecture choice reduced the project timeline from months to weeks of development.

Landscape Brands

Software Engineer

August 2007 - April 2010 (2 years 9 months)

St Louis, Missouri, United States

Developed a new version of the Landscape Brands, e-commerce web application. This was a .NET, C# application, with server-rendered pages, to allow for customers to place orders in concert with the more widely used call center services. Inventory was in sync between both initiatives, with data stored and accessed via MSSQL Server.

AutoRevo

Software Developer

May 2006 - August 2007 (1 year 4 months)

Plano, Texas, United States

Developed the first consumer-facing websites. These were developed using the .NET framework with C# as the core language. Primary contribution was the concept of dynamically generating WordPress websites, pulling data from the existing AutoRevo, RESTful APIs.

Due to AutoRevo's core business and architecture, image storage was a challenge that resulted in multiple solutions in concert. This included round-robin targeting for where the image data was stored, dynamically resizing images for consumption, and migrating images from system to system as capacity was reached.

CGS (Computer Generated Solutions)

Support Specialist

September 2004 - May 2005 (9 months)

Dallas, Texas, United States

Provided end-user support for Ernst & Young Inc. under contract with IBM. Acted as administrator for support teams in Lotus Notes and Windows and trained new-hire technicians.

Education

The University of Texas at Dallas

BS, Computer Science · (2001 - 2007)