Mark Moore

SENIOR SOFTWARE ENGINEER / ARCHITECT

Details

8326869989

mark@mmoore.dev

Skills

Scala

Software Architecture

Devops

Kafka

Typescript

Nix / NixOS

Kubernetes

AWS / GCP / Azure

Problem Solving

Solution Design

Hobbies

Running, Cycling, Hiking, Swimming, Chess

Profile

Technically experienced Software Engineer skilled in back-end application, infrastructure and cloud resource design and implementation. Adept in promoting the highest level of excellence. Committed to ensuring product quality and driving customer value. Experienced in working with and leading teams of professionals to achieve the highest level of software delivery success.

Employment History

Founder / CTO , Newton.dev, Houston

JULY 2021 — PRESENT

Founded Newton.dev as a Platform as a Service to lower the barrier to entry for Web3 developers. Designed and developed the initial version of the application from scratch using a combination of modern tooling including Typescript, Next.js, Nest.js, Scala, Kubernetes, Pulumi and nix. Deployed and ran platform on each of the 3 main cloud providers. Grew business to 10 customers.

Senior Full-Stack Developer (contract), accruesavings.com, New York City (Remote)

JANUARY 2022 — AUGUST 2022

Accrue Savings, a rapid growth fintech startup disrupting the buy now pay later space and funded by Tiger Capital, contracted me to develop and deploy a new Shopify integration and app that was core to their business growth strategy at the time. This was completed in 3 months at which point I took over the maintenance and development of their ops and infrastructure stack while their in-house team was reallocated. For the next 3 months, I refactored and consolidated their Infrastructure utilizing infrastructure as code tools while helping them interview and select new hires to form a dedicated in-house Devops team.

Director of Engineering, iOFFICE, Houston

OCTOBER 2020 — JUNE 2021

Responsible for the daily operations and scaling of the Software Engineering Department, reporting to the Executive VP of Engineering. Leading the growth of the department from 12 to over 70. Ensuring that processes, tools, best practices and culture scaled successfully alongside people count.

Lead Architect, iOFFICE, Houston

MAY 2016 — OCTOBER 2020

Responsible for the high level design and architecture of the back end systems at iOFFICE in collaboration with the CTO and the backend team.   Creating, maintaining and overseeing the development of approximately 40 disparate backend business critical systems of various complexities, from a Java J2EE monolith to numerous microservices built on Scala, Play Framework, Slick, Http4s, FS2, Cats, Scalaz and ZIO.

Senior Software Engineer, iOFFICE, Dublin, Ireland

MAY 2014 — APRIL 2016

Lead backend engineer working with Java 8+ and Scala 2.11+. Spearheaded the research, design and migration, in conjunction with the CTO and Head of Devops, from VM based deployment to a Microservice / Service Oriented based Architecture. This involved researching various container solutions (chose Docker), container orchestration tools (chose Mesos) as well as the new tools and integrations necessary for a completely automated CI/CD process. Created and maintained internal tools and libraries written in Scala to enhance developer experience and productivity when working with our various Scala services.

Conference Speaker

Lambda Conf - Whirlwind Tour of the Scala FP Ecosystem, Boudler, CO

JUNE 2019 — JUNE 2019

Lambda Conf is the worlds largest Functional Programming conference.

Abstract:

Let's go on a whirlwind tour of the FP library ecosystem as we implement a text messaging service that mirrors one currently in production at iOFFICE. We will start with the design of the application and abstract over the outside world to create our business logic in a purely functional, easily testable way. We will then utilize the rich library ecosystem to implement the means by which our application will interact with the world whilst retaining its pure nature. Finally, we will wire everything together and have an example of a strongly typed pure functional application that is ready to deploy!

ScalaIO - Whirlwind Tour of the Scala FP Ecosystem, Lyon, France

OCTOBER 2019 — OCTOBER 2019

Education

Msc Computer Science, Texas Southern University, Houston

SEPTEMBER 2015 — DECEMBER 2016

4.0 GPA

Bsc Digital Media Design, University Of Limerick, Limerick, Ireland

SEPTEMBER 2008 — JUNE 2012

References

Kenton Gray from Petrovisor - CTO

8322773193

Jeff Newton from Home Depot - Manager of Cloud Engineering

7134707779

Courses