Migrating Slope Ninja to Zeit for Fun 💃 & Profit 🤑

Julia Qiu

Me

➔ Software Developer

➔ Avid Snowboarder

➔ Chief Snow Officer at Slope Ninja

➔ This is my first ever talk 🤭

@juliaqiuxy

In a previous life

Are you a JavaScript developer? Got a great Java role for you. Interested? 🤔

Little did I know that it would lead me to discover my deep passion for programming—all by accident.

Found my life's passion

By trial and error,

But mostly error.

Like, a LOT of

error.

💖

Slope Ninja

➔ Snow, chain control and road updates for Tahoe Resorts

➔ Side project. Open Source.

➔ Hoping to expand to other ski resorts across the country
   with help from the open-source community

https://slope.ninja   Also available on the App Store

Slope Ninja

Months of hard work

Countless hours of studying, googling, reading documentation, browsing Github issues & meditation later...

🧘🏻‍♀️

avascript #react #redux #react-router #nodejs #koa #babel #postgres #sql #redis #eslint #kne

ynamodb #twitter-sdk #react-native #svg #cheerio #react-navigation #expo #npm #yarn #aws-sd

edux-persist #bluebird #async-await #promises #html #authentication #continuous-integration #lambd

mmutablity #data-structures #babel-plugins #css #joi #jest #mocha #jwt #rest-apis #koa #koa-route

ncryption #react-ga #react-redux-form #webpack #serve #google-sdk #bcrypt #tdd #raven #jest #s

It's been an amazing
transition.

How do I deploy this?

localhost was fun! But how

do I share this with people?
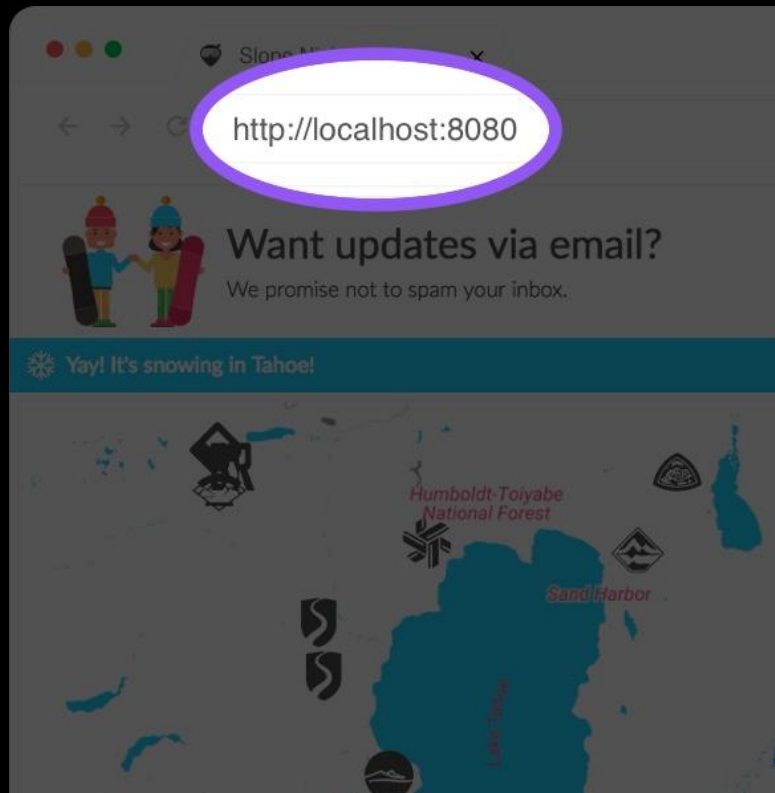
Simple Requirements

➔   Deploy front-end app

➔   Deploy node.js back-end app

➔   Scheduler to run workers at specified intervals

➔   Keep costs as low as possible

AWS is its own universe

I was too naive to think it'd be point, click & deploy.

Fatigue is everywhere and affects just about everyone.

🤯

c2 #iam #s3 #vpc #api-gateway #rds #ses #cloudfront #dynamodb #elasticache #sqs #codedeplo
odepipeline #ec2-container-service #fargate #aws-lambda #ec2-container-service-for-kubernete
oute53 #certificate-manager #elastic-beanstalk #subnets #ip-tables #routing #networking #gateway
loudformation #availability-zone #dns #deployment-group #auto-scaling-groups #ami #acl #auror
loudwatch #elastic-block-storage #elastic-file-system #aws-sdk #aws-cli #ecs-cluster #task-definitio

Me no speak AWS

➔ "AWS in Plain English" [1]

➔ Focus on building product, not infrastructure

➔ Time to look elsewhere

[1] http://bit.ly/aws-in-plain-english

Giving Heroku a shot

➔ Platform as a Service. DX is relatively better

➔ What is a Procfile? Buildpack?

➔ Root domains aren't supported without additional cost/configuration, even then SSL is tricky to set up

➔ $7/m dyno

➔ Heroku scheduler spins up a new dyno for each worker

➔ 2 web + 5 workers = ~$500/year on the Hobby plan

"Our goal is to make our service so easy and intuitive that it works just as well for experienced developers in enterprise contexts as for those just picking up the language."

— Zeit team

"Our goal is to make our service so easy and intuitive that it works just as well for experienced developers in enterprise contexts as for those just picking up the language."

— Zeit team

In search for something more autonomous, less costly

Julia Qiu
@juliaqiuxy

Follow

Migrated my open-source project Slope Ninja (frontend & backend — slope.ninja) from Heroku to @zeithq's Now. The entire thing took a whooping 10 seconds. 😱🤯🤩

12:06 PM - 25 Jan 2018

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3   10   80

npm run deploy

$ now

➔ Easily deploy your app with a single command

➔ Immutable builds

$ now

➔ What create-react-app did to React Development is what Zeit is doing to app deployment

➔ Batteries included: Domain Names, Managed DNS, Wildcard certificates

$ now

➔ Open source cli

➔ No vendor lock-in: deploy your apps to AWS, Google
Cloud, Azure & Kubernetes using the now-cli

$ now

➜ $15/m for up to 10 instances. Savings of $320/year

Tiny speed bump...

➜ No task scheduler (yet?)

➜ *npm* to the rescue: *node-cron* to coordinate tasks

```
const parserJob = new CronJob(...);

export const run = () => {
    parserJob.start();
};
```

tldr

→ Migrating Slope Ninja to Zeit has been shockingly easy.

→ So easy I have since migrated my other projects to Zeit.

→ Jargon is not beginner friendly. Shy away from jargon! Your product/tool/library is better without it.

I would not be calling myself a software developer today if it wasn't for you who generously share your knowledge.

So thank you!

❤️

Thanks for listening.