**John Jensen**

**Github – thejohnjensen**

**Interviewer Brendan West**

Resume

Code fellows

Skill Highlights

Ansible

Nginx

Test driven development

Node.js, jQuery

RESTful API

PostgreSQL

AWS Lambda

AWS S3, RDS, DynamoDB

AWS EC2

Pyramid Web Framework

Django Web Framewok

Data structures and Algos

Redies

Celery: Async Queue

Projects

CryptoCards – github

Description

Created with what language

What work do you want to do?

Answer: software / back-end

Algebra?

Partial differential equations

Data Engineering?

Data congestion of many types of data and volume. Used to be called DBAs.

Data coming out from a lot of sources. Consolidate or send.

Setting up custom database.

Data science is math heavy. They usually look for Ph.D.

Every game Disney publishes generates a lot of data.

Why are people buying more games?

Why are people making it live?  
 Performance in China?

What are you good at?

What do you love doing?

Understanding of front-end and back-end is good

Understanding of how Django handles data

Django’s ORM

Instead of typing own SQL query, Django ORM.

Have you worked with no SQL frameworks?

DynamoDB?

Setting up and configuration, any knowledge?

In Celery you would just wait for key value pairing.

Different DBs. Why would you choose one or the other?

Smaller data with key value pair, cost effective

Don’t have to rebuild schemas

Work: moving data across different systems

Any ORMs in node?

Spark? Cluster computing on data

Dealing in large amount of data

Django has a nice feature with cache

Caching the results of the query

Presenting data?

Data visualization?

Octave – machine learning

Gives you the fundamentals. Do the same stuff in python

Experience in working with SQL?

Writing queries?

Doing JOINs?

Study up on SQL as a language.

Querying data and querying efficiently

Cleaning data

Normalizing data

Software dev and software eng

Don’t get hung up on the name.

Front-end or back-end is more important

Front-end

More subjective and visual, what people see.

Back-end

More abstract, what people don’t see.

Plow through of terabyte of data, what is the most efficient way?

Cost to perform this operation efficiently? Minimize the cost.

Microsoft stack

Python stack

Get solid in one language first

What is your experience in testing software?

Test driven development

PyTest

Integration testing? Unit testing?

Unit testing

Testing a distinction functionality and is local.

Function performs a specific task.

Integration testing

Get more elaborate function integrating with other system.

Incorporating other functionality

What did you use to measure code coverage?

Shooting for 80% coverage?

Handling asynchronist task?

Ajax

Converting python to c++ for better performance

What domain interested in?

London, Power sharing between homes, can sell reserve power to other homes

Blockchain, not really a gamechanger but decentralizes the market.

A lot of aerospace and health in Seattle

Self-driving = telematics

Cars gives out information.

ETL

Extract, Transform, Loading

Accounting department information, pull that out, transform it.

Redfin

Modeling database for specific tasks

Data Vizualization

**Big fish games**

DATA ENGINEER at indeed

What value are you going to bring.

Understanding software control.

Academia tends to be poorly paid by corporate

Company would rather hire Ph.D.s to do the mathematical method.

Dury Gold

**Alaska airlines**, Starbucks starting to realize profit center from software dev.

Angular, React