ZESHAN ANWAR

Software Engineer - *Bazaarvoice*

Professional

Software Engineer
Bazaarvoice

May '17 - Current
May '16 - Aug '16 (Internship)

(Kafka, Elasticsearch, Hadoop, Scala, Java, Ruby, AWS, Jenkins, Kubernetes, Datadog, Kibana)

- Building a revolutionary **real-time** denormalization engine in **Kafka**
- Maintaining flagship API that serves **~2 billions** API calls a month for 5000 clients (Walmart, Target, Sears). Availability
- **Rebuilt** API platform for Target and Sears to improve query performance. **10x** reduction in average response latency (~1s -> ~100ms). Saved the company **thousands** in AWS hosting costs. Migration to new platform was done seamlessly with no downtime.
- **Kafka OSS contributor** - provide feedback to Confluent on their toolkit around Kafka (KSQL, Schema Registry, Rest Proxy)

Full-Stack Developer
Client Outlook Inc.

Jan '17 - Apr' 17 (Part-time)
Jan' 15 - Apr' 15 (Internship)

(React, Flux, Node.js, Java, Javascript)

- Developed freehand annotation tool for viewer. Optimized with the **Douglas–Peucker algorithm**. Worked directly with clients in China to meet specs.
- **Designed** the **responsive** face of viewer in **React** using Facebook's Flux pattern. Utilized by **thousands** of clinicians and doctors, everyday across the world
- Reduction in client service calls by 33% with tailored error-messages

Software Developer
BlackBerry
Jan' 14 - Aug' 14 (Internship)

- Contributed to release of major company product (**BES 12**) implemented on Blackberry, Android and iOS devices.
- Provided patches and bug fixes for critical UI components.

Projects

KafkaREST
Scalatra - REST API
2018

- Consolidating useful Kafka CLI tools behind a simple REST interface
- Simple GET / POST calls to manage and track a Kafka cluster
- Notable Features:
  1. Tracking partition **offsets** (Consumer and Producer)
  2. **Tailing** a topic (Kafkacat)
  3. Listing consumers of a topic, **resetting** consumer offsets
  4. **Rolling-reboot** of brokers
- Releasing as an Open Source project

Art in AR
iOS - Swift
2018

- Devised an **innovative** algorithm to anchor image to a vertical plane, **without** the use of a depth camera
- More accurate than the default, built-in implementation

Linkme.care
Architect / Consultant
https://linkme.care
2018

- Engineered prototype (Express API with MongoDB) for startup pitch and **successfully** raised money. Connected with 3000 doctors across Canada.
- Implemented **novel** matching algorithm
- Collaborated closely with founders and lawyers to establish **data privacy** practices. Architected an encrypted silo-based solution for **PII**

BearStacks Inc.
Co-founder
2017

- **Founded** a small app development agency
- Apps on the App Store: **NumTate, Find My Country, Scientific Calculator Pro, Type Fighter**

SKILLS

Scala, Java, Ruby, Javascript, C++, Swift, Python

Kafka, Elasticsearch, Hadoop, React, Node.js, Docker, Dropwizard

Jenkins, Datadog, Kibana, AWS

College Basketball Athlete

INTERESTS

Building fast streaming platforms

Engineering performant APIs

CI / CD

Microservices

Machine Learning and AI (Neural Networks)

Big Data

Streaming Frameworks

GraphQL

Graph Databases (Neo4j)

EDUCATION

University of Waterloo
Sept '11 - Apr '17

Bachelor of Computer Science Honours

CONTACT

512.785.2129

https://zeshananwar.com