SACHIN AHUJA

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FULL-STACK/DATA ENGINEER

Software engineering expert with 7 years of committed client service in business intelligence and data analytic applications. Specializes in software development and data engineering functions. Spearheads and drives a multitude of high-profile research and data analytics projects. Driven to find technical and data-centered solutions for companies' greatest challenges in an effort to add value. Serves as a leader in the mentoring and coaching of other team members by teaching techniques, processes, and applications used in data management.

CORE PROFICIENCIES

Data Engineering **|** Amazon Web Services **|** Product Management **|** Project Implementation **|** Project Management
Web & Application Development **|** Troubleshooting **|** Process Improvement **|** End-User and Customer Support

PROFESSIONAL EXPERIENCES

BETTER.COM

Senior Software Engineer   2019 — Present

FORTNITECLIPZ

Founder   2018 — 2020

- FortniteClipz is a web app (http://www.fortniteclipz.com/) that automatically creates highlights of Twitch.tv Fortnite streams by using machine learning/artificial intelligence to recognize when key moments happen during a stream
- The backend was built using AWS serverless infrastructure, including IAM, CloudFormation, RDS, S3, API Gateway, Lambda, SQS, MediaConvert, Cloudwatch, and Cognito
- Services use FFmpeg and FFprobe to analyze and manipulate video streams
- The web client was built using React with Google Analytics

ATOM TICKETS

Data Engineer   2018 — 2019

- Architected ETL streaming pipelines using Confluent/Kakfa/Debezium/ECS to create a real-time change data capture (CDC) process from MySQL to Snowflake
- Collaborated with the Customer Service team to launch an automated Weekly Business Review with CSAT, SLA, etc. metrics by ingesting data from Zendesk/UJET and creating dashboards in Looker
- Developed ETL batch and Spark streaming jobs using Scala/Airflow/EMR
- Managed ETL batch pipelines using Python/ECS to create a batch change data capture (CDC) process from MySQL to Redshift
- Ingested data into Redshift from Braintree's Java SDK using Airflow and created Views/Model in Looker to help audit transaction data against Atom's books
- Worked with the Business, Product, and Marketing teams to build third party data exchanges as per partner agreements

Software Design Engineer   2017 — 2018

- Engineered a revolutionary, user-friendly, and socially-driven interface that allows movie lovers to search for films instantly, invite friends, buy tickets, pre-order concessions and enjoy a VIP experience at the theater
- Assisted with the application planning, development, and deployment of Atom's and Regal's web clients using Scala, Play Framework, and JavaScript

Continued…

- Integrated Google Pay and Chase Pay into the checkout flow assuring higher user conversion
- Reviewed and implemented special partnership promotions to help increase traffic with Amazon Prime and Lionsgate/AMEX exclusive screenings, decreasing CPA by 26%
- Implemented advertisement placements with Adzerk support to manage scheduling and goal tracking
- Led the development of ADA compliance for Regal Cinemas

VISA

Senior UI Engineer 2016 — 2017

- Charged with enhancing the UI implementation in a forward-thinking, reusable, and scalable UI architecture
- Designed React web components taken from prototypes, partnering exclusively with design, engineering, and product teams to ensure project alignment
- Developed the following web components, resulting in streamlined user experience: Advanced Search, Advanced Dropdown, Date-Time Picker, Status, Status Manager
- Collaborated to author documentation for the reusable web components open-sourced within the company
- Increased the coverage of the UI unit testing framework to 85% using Enzyme

DRAFTCRUNCH

Lead Software Developer *(engineering team of two)* 2015 — 2016

- Partnered with the co-founders to build venture-backed sports analytics platform for daily fantasy sports players to create, sell, and/or purchase third-party predictive models and strategies acquiring 15,000 users
- Engineered a web service, with cached architecture, master-slave cluster, and sticky sessions for web-sockets to create the fastest responsive lineup builder in the industry
- Developed the Lineup Builder web client using Angular.js, which serves as a complex analytical tool to analyze and create lineups
- Directed flow of assignments by delegating sub-tasks to team members and contractors, monitoring project progress along the way
- Created ETL services integrated with 3rd party APIs and web scrapers to acquire the latest information for the platform
- Crafted an image rendering microservice for social sharing of lineups to create virality
- Managed production bottlenecks, performed unit testing, and test drove development, ensuring maximum quality assurance during every phase of development

TOGGA

Web Developer *(engineering team of three)* 2014 — 2015

- Produced the first Women's World Cup fantasy app, acquiring 110,000 users, using Ionic.js and Node.js microservices deployed on Docker
- Contributed to building high-performance cloud-based REST API services, handling 30,000 daily active users using Node.js, PHP, MySQL and Redis
- Enhanced the Draft app from end to end by configuring a microservice to manage scheduled events and incorporated real-time data support using Firebase
- Spearheaded the migration of the web client architecture from jQuery to Angular.js
- Programmed an email campaign manager to augment retention by sending out weekly emails to users
- Incorporated analytics and created scripts to determine power users using Google Analytics and MixPanel

EDUCATION AND TRAINING

Programming Bootcamp and Coding School	MakerSquare	Austin, TX	2014
Bachelor of Science in Chemical Engineering	Georgia Institute of Technology	Atlanta, GA	2009 — 2013

TECHNICAL PROFICIENCIES

JAVASCRIPT	▪ AngularJS, Handlebars.js, Ionic, jQuery, Meteor, Node.js, React, Underscore.js, Zepto.js
AMAZON WEB SERVICES	▪ API Gateway, CloudFormation, CloudFront, CloudWatch, Cognito, DynamoDB, EC2, ECR, ECS, Elastic Beanstalk, Elastic Transcoder, IAM, Kinesis, Lambda, MSK, MediaConvert, RDS, Route 53, S3, SNS, SQS, VPC
DATA	▪ Airflow, Confluent, Debezium, Kafka, Looker, Spark
DATABASE	▪ ActiveRecord, DynamoDB, MesaSQLite, MongoDB, MySQL, NoSQL, PostgreSQL, RDS, Redshift, RoboMongo, SQLite3, SequelPro, Snowflake
OTHER	▪ DApps/Solidity, Docker, FFmpeg/FFprobe, Golang, Java, Kali Linux (Aircrack-ng), Play Framework, Ruby on Rails, Scala, Serverless Framework, Swift, Xamarin
WEB	▪ Bootstrap, Foundation, Grunt, Gulp.js, Less, Sass, SCSS, Webpack
APP ANALYTICS	▪ DataDog, LogDNA, Loggly, New Relic, Optimizely, PagerDuty, Rollbar, Wasabi
CUSTOMER ANALYTICS	▪ Customer.io, Facebook Pixel, FullStory, Google Analytics, Mixpanel, Segment
ENGAGEMENT	▪ Adzerk, Appcues, Branch, Braze, Intercom, Tawk.to
MANAGEMENT	▪ Bitbucket, Confluence, GitHub, JIRA, Rally, Slack, Trello
NPM	▪ async, cluster, cron, express, moment, mongodb, MySQL, request, rxjs, socket.io, zerorpc, zmq
PIP	▪ ffprobe3, matplotlib, numpy, opencv-python, pandas, pillow, pytesseract, requests, seaborn, streamlink, tensorflow
CI/CD	▪ Bamboo , Buildkite, Jenkins, Travis CI