SACHIN AHUJA

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FULL-STACK/DATA INFRASTRUCTURE ENGINEER

Software engineering expert with 9 years of experience designing, developing, testing, and maintaining software solutions across the frontend, backend, and data stacks. Passionate about distributed computing and large-scale system design, as well as networking, security, and information retrieval at massive scale. Serves as a leader, mentoring other team members by communicating techniques, processes, and applications used in software development and data.

Skills

Languages	• JavaScript, Python, NodeJS, ReactJS, SQL, HTML, CSS, Scala, Java, Go, PHP, Ruby
Data	• Airflow, Apache Kafka, Looker, DBT, ETL, ELT, Spark
Database	• MySQL, PostgreSQL, Redshift, Snowflake, DynamoDB, MongoDB, Relational, NoSQL
Other	• Docker, Kubernetes, Microservices, APIs, Cloud Computing, Object-Oriented Programming
Web	• HTML, CSS, Webpack, Postman
App Analytics	• DataDog, LogDNA, Loggly, PagerDuty, Rollbar
Cloud	• AWS, GCP, Terraform , DevOps, Site Reliability
Management	• Git, JIRA, Confluence
CI/CD	• Buildkite, Jenkins, Travis CI, Bamboo

Professional Experience

Better.com

Senior Software Engineer — Data Platform   Oct 2019 — Present
- **Tech Stack:** AWS, Docker, Kafka, JavaScript, NodeJS, ReactJS, Kubernetes, Python, Redshift, Terraform, SQL, DBT, Go, Terraform
- Architected, deployed, and currently maintain Airflow 2.0 on Kubernetes, facilitating scaling of total airflow jobs by 125%
- Developed real-time infrastructure using Kafka, AsyncIO, and Redshift Spectrum, providing internal customers market-moving data
- Built custom Redshift Terraform provider to control company warehouse permissions, using Go, enabling compliant version control
- Tested CDC frameworks, including AWS DMS, Fivetran, Singer/Stitch, DataCoral, and HVR, resulting in reduced data replication lag from 4 hours to 20 minutes

Atom Tickets

Software Engineer – Data Platform   Jan 2019 — Oct 2019
- **Tech Stack:** AWS, Kafka, Looker, Python, Redshift, Snowflake
- Implemented ETL streaming pipelines using Confluent, Kakfa, Debezium, and ECS that resulted in real-time change data capture (CDC)
- Cross-functionally defined and implemented SLAs for data pipelining and visualization systems across company organization
- Ingested data from Braintree's Java SDK on Airflow and created Views/Model in Looker to help audit financial data against Atom's books

Senior Software Engineer   Jun 2017 — Jan 2019
- **Tech Stack:** HTML/CSS, JavaScript, MySQL, Scala
- Engineered frontend + backend of movie ticketing application, allowing movie lovers to search, invite, and purchase movie tickets
- 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/Lionsgate, decreasing CPA by 26%

Visa

Senior Frontend Engineer   Jun 2016 — Jun 2017
- **Tech Stack:** Java (Groovy), JavaScript, React
- Designed and UI implementation in a forward-thinking, reusable, and scalable UI architecture
- Designed React web components taken from prototypes, partnering with design, engineering, and product teams to ensure project alignment
- Led development of the following web components: Advanced Search, Advanced Dropdown, Date-Time Picker, Status, Status Manager

DraftCrunch

Founding Engineer <div align="right">Jul 2015 — Jun 2016</div>

- **Tech Stack:** AngularJS, AWS, MySQL, NodeJS
- Partnered with 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 AngularJS, which serves as a complex analytical tool to analyze and create lineups

Togga

Full Stack Engineer <div align="right">Oct 2014 — Oct 2015</div>

- **Tech Stack:** AngularJS, AWS, Ionic, JavaScript, NodeJS, PHP
- Produced the first Women's World Cup fantasy app, acquiring 110,000 users, using Ionic.js and Node.js microservices deployed on Docker
- Deployed high-performance cloud-based REST API services, handling 30,000 daily active users using Node.js, PHP, MySQL and Redis
- Rebuilt company app using microservice architecture to manage scheduled events, incorporating real-time data support using Firebase, and redesigning the client in AngularJS

Personal Projects

FortniteClips <div align="right">2018 — 2019</div>

- **Tech Stack:** AWS, CloudFormation, CloudWatch, Cognito, Google Analytics, IAM, Lambda, MediaConvert, Python, React, RDS, S3, SQS
- Web app that created highlights of video streams using distributed cloud systems, machine learning and artificial intelligence

COVID Vaccine Notifier <div align="right">2020</div>

- **Tech Stack:** AWS, Lambda, Python, Twilio

Resy Reservation Sniper <div align="right">2020</div>

- **Tech Stack:** AWS, Firebase, GCP, Lambda, Python

Crypto Arbitrage Finder <div align="right">2021 — 2022</div>

- **Tech Stack:** Alembic, AWS, EthersJS, EVM, Firebase, Python, Solidity

Robinhood and Coinbase Algorithmic Trader <div align="right">2020 — Present</div>

- **Tech Stack:** AWS, Google Sheets, Python

Zillow Homes Scraper <div align="right">2020</div>

- **Tech Stack:** Alembic, AWS, Lamba, PostgreSQL, Python

EDUCATION AND TRAINING

Georgia Institute of Technology	Bachelor of Science in Chemical Engineering	Atlanta, GA	2009 — 2013
Hack Reactor	Full-Stack Bootcamp	Austin, TX	2014