STEVEN JOHNSTON
Software Engineer

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With 8+ years of experience, I'm a versatile full-stack engineer proficient in a wide range of cutting-edge technologies. I've built scalable systems, optimized performance bottlenecks, and launched successful products from concept to deployment. I'm eager to leverage my expertise to tackle challenging projects and contribute to building innovative solutions as part of a talented team.

Skills

Languages: Typescript, Go (Golang), Python, SQL, Bash

Tools: Next.js React, Node.js, Figma, Datadog, Prometheus, Grafana, GraphQL, LLM, Storybook, Cypress, Prisma

Systems: AWS, CDK, Terraform, Kafka, gRPC, Postgres, Docker, Github Actions, DynamoDB, Snowflake, Redis, MongoDB

Roles: Frontend, Full Stack, Database Engineer, Devops, Product Manager, Founding Engineer

Work Experience

Full Stack Founding Engineer   Atomic VC   Mar 2022 - Feb 2024

- As product owner, led development of an in-house equity management solution, collaborating with legal to ensure compliance with 83(b) election filing.
- **Internationalized** application to improve physical mail delivery accuracy by determining recipient location based on locale data.
- Transformed 3 **startup** concepts into reality, defining technical solutions, building robust prototypes, and driving development from idea to pre-launch stage.
- Iterated on handcrafted **AWS** cloudformation stack, striving to get web applications off the ground on day one.
- Thrived in a fast-paced environment, supporting multiple portfolio companies by rapidly mastering new tech stacks and delivering impactful technical solutions.

Devops   Adentro   Jan 2020 - Mar 2022

- Designed and implemented a **CI/CD** pipeline using GitHub, **Jenkins**, AWS S3, and **Airflow** to automate the deployment of dbt models transforming raw CSV data from **S3** into **Snowflake**.
- Led the upgrade of a self managed End of Life **MongoDB** cluster, mitigating security risks and ensuring seamless operation of 30+ microservices.
- Deployed **DataDog** Agent as sidecar to 100+ **microservices** to replace existing stdout logging + health checks, improving observability and centralizing monitoring of application performance and health.
- Successfully planned and executed the **sharding** of a 1TB+ MongoDB cluster, enhancing performance and scalability.
- Implemented **p99 monitoring** and alerting using **Prometheus** and **Grafana** to proactively identify and resolve performance bottlenecks.

Full Stack Developer   Adentro   Jul 2018 - Jan 2020

- Implemented a scalable real-time data processing system using **Kafka**, carefully crafting partitions and key schemas to ensure efficient data distribution and ordering, enabling the handling of thousands of concurrent requests per second.
- Tackled and optimized the long-running queries in both **MongoDB** and **PostgreSQL** databases, significantly improving overall application performance.
- Led the integration of **Snowflake**, centralizing previously disparate data sources and empowering the Ads team to streamline campaign analysis and optimization.

Education

Software Engineering and Technology Diploma   **Conestoga College**   **2014 - 2018**

Projects

LogChopper github.com/StevenJohnston/LogChopper

Progressive Web App built to assist with tuning Engine Control Units supported by EcuFlash. Accels at digesting vehicle sensor data deploying **Web Workers** to parse hours of logs (100k+ entries) to facilitate significant gains in vehicle performance and emissions compliance. All while proving a modernized design in a typically rigid space!