Zach Bolan

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Skills

- TypeScript, JavaScript, Go, Java, C#, Rust
- React, Next.JS, EmberJS (Octane), TanStack, Jest, Cypress, Webpack, SWC, CSS/Sass, HTMX, Tilt
- REST, gRPC, GraphQL, Microservice APIs, Event-Driven Architecture, Node, Avro
- Postgres, Mongo, Kafka, Snowflake, RabbitMQ
- Docker, Kubernetes, Bazel, DigitalOcean, AWS (EC2, S3, SQS, SNS), Unity, CircleCI, Helm, Istio, DataDog, Stripe, Temporal

Experience

HERDBUY, Los Angeles, CA - Founding Lead SWE (Part Time)   Oct 2023 — Present

- Herdbuy.com An E-commerce marketplace bootstrapped by a team of 4. Built from early concept to planned launch in early April 2024. Using Go, Next.JS, Stripe, deployed on DigitalOcean
- Helped develop GTM strategy and aggressively scoped and implemented MVP launch
- Responsible for all major technical decisions such as software-stack, deployments, architecture, etc

VIDEOAMP, Santa Monica, CA   Sep 2021 — Apr 2024

Principal Software Engineer (March 2023 — Present)

- Technical Lead working with Engineering, Design, Dev Ops, and Product leadership to set the Platform's technical direction and engineering culture as it relates to the overall company strategy
- Led the architecture and implementation of a Reporting Engine, advising and overseeing a team of eight engineers building React UIs, Protobufs, Go and Node APIs, Postgres, Bazel infra and CI/CD
- Built a new team of six engineers in collaboration with the Engineering Manager
  - Mentor and up-level the team, manage ticket generation, provide LOEs, oversee technical design reviews, and improved team Scrum rituals, all resulting in increased team velocity/output
- Advocated for company-wide adoption of RESTful and API lifecycle standards
- Worked closely with Design and Product to develop the Ad Platform's high-level architecture
  - By identifying individuals' strengths and interests, delegated low-level designs and implementation to other team members to progressively grow and challenge them

Senior Software Engineer (Sep 2021 — March 2023)

- Technical Lead for 16 engineers on the Platform Apps Team. Worked with management across organizations to plan projects while defining our team's best practices and providing technical guidance and mentorship to senior and junior engineers on the team
- Designed, led, and delivered a Node API that powered the company's Currency measurement offering
  - Revamped engineering processes, architecture, and patterns by introducing integration tests, strong typings, model validations, etc. The API is the template for any new Typescript services
- Led the frontend architecture and delivery of a highly-visible YouTube partnership integration
  - Provided LOEs, managed project scope, and delegated out work for low-level designs and implementation to meet contractual deadlines

LINKEDIN, San Francisco, CA - Software Engineer   Dec 2018 — Aug 2021

- Worked on Talent Insights focusing on the UI and mid-tier API layers designing, developing, and maintaining EmberJS components and the Java backend APIs and services that powered them
- Led a team to onboard onto LinkedIn's email infrastructure. Worked across the stack with offline Hadoop jobs, Kafka streams, setting up a new Java microservice and APIs, and used a DustJS UI
- Designed a "Read-Only" view of the application that allows users to share Reports with other users
- Developed the first user-facing product written in Typescript/React
  - Built the underlying UI component framework that matched LinkedIn's "look and feel" and A11y

RESEARCH INNOVATIONS, Springfield, VA - Software Engineer II   **July 2015 — Nov 2018**
- Joined the early-stage startup developing the initial architecture and UI component library
- Built UI visualizations and their backing Java APIs to scale to hundreds of thousands of data points
- Migrated the legacy AngularJS platform to more modern JS tooling, allowing for code sharing and a migration path to the new React codebase

Education

JAMES MADISON UNIVERSITY, Harrisonburg, VA   **May 2015**
B.S., School of Media Arts and Design, Computer Science Minor