ZACHARY CRISTOL

Austin, TX · zachcristol@gmail.com · 8176572213

WORK EXPERIENCE

HEB   Austin, Tx
Software Engineer II   December 2021 - Present

- Led development of a marketing tool for communications campaigns, managing 2M customers per campaign within a 4-hour window.
- Optimized AWS infrastructure, implementing cost-saving measures that reduced AWS costs by 48 thousand dollars a year.
- Managed and enhanced a communication system sending 600k messages daily via SMS, push, email, and voice.
- Developed the frontend and backend systems for in-app grocery order check-ins, processing around 50k check-ins per day.
- Consistently developed test suites and launch plans to ensure successful rollout and reliable event tracking for new features.
- Spearheaded analytics integration into four production services, collaborating with two teams and contributing to their repositories.
- Initiated and led semi-weekly meetings to assign and review pull requests across 18 repositories.

HEB   Austin, Tx
Software Engineer I   June 2020 - December 2021

- Led iOS push notification system delivering 100k daily notifications, enhancing HEB Curbside and Delivery.
- Created and deployed the first iOS widget for MyHEB.
- Developed an app review prompt system integrated with an external reporting system.
- Rearchitected profile and communication preference experience.
- Collaborated on MyHEB iOS platform with 400k daily and 1M total users, sharing responsibilities for app deployment, monitoring, and enhancements.

Silvercar   Austin, TX
Frontend Developer   May 2019 - August 2019

- Added Redux to areas of the core React app, improving state management across multiple web products.
- Integrated linters, testing frameworks, and deployment pipelines, significantly improving workflow efficiency and data tracking.

EDUCATION

The University of Texas at Austin   Austin, TX
BS Computer Science *GPA: 3.6*   August 2015 - June 2020

SKILLS

Backend:	Java, Spring Boot, Database System Design, Pub-Sub System Design, Python, Datadog
Infrastructure:	AWS, Terraform, Cloudformation, CICD Pipelines, Fastlane, Docker, ECS, ECR, Fargate
Frontend development:	Swift, JavaScript, RxSwift/Combine, HTML, CSS

COMMUNITY

Mentor   CAST Tech Mentorship
Mentored two high school students by holding bi-weekly meetings focused on technology skill development, positive habit building, college expectations, and career development, while providing organized resources on these topics.   January 2021 - August 2021