Andrew Steinheiser

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EDUCATION

Arizona State University   Aug. 2014 – Dec. 2017
Bachelor of Science in Computer Science   *Tempe, AZ*

SKILLS

Languages: TypeScript, JavaScript, HTML/CSS, SQL, Go
Frameworks: React, React Native, GraphQL, Next.js, NestJs, Node.js, SST, Express, XState, Tailwind, Shadcn
Developer Tools: Git, Docker, AWS, Terraform, Datadog, Sentry, Jest, Vitest, Storybook
DB/CMS/Index: PostgreSQL, DynamoDB, MongoDB, Firestore, Contentful, Hygraph, Algolia, Typesense
AWS Tools: Lambda, API Gateway, Event Bridge, S3, SQS, SES, EC2, ECS, IAM, Step Functions, Route 53

EXPERIENCE

Senior Software Engineer   June 2021 – Mar. 2025
Sibi   *Gilbert, AZ (Hybrid)*
- Collaborated with product, design and program teams to build, test and evaluate features for the Sibi platform.
- Strategically implemented and controlled feature rollouts for different user groups across the web and mobile apps.
- Worked across teams to develop solutions for each of the three frontends written in React or React Native.
- Core developer of the mobile app which saw about 20% of the total purchase volume on the platform.
- Architected and maintained microservices on AWS (SST), utilizing Lambda, Event Bridge, DynamoDB and SQS.
- Contributed to the migration of legacy APIs and DBs to a new microservice architecture.
- Frequently and successfully spearheaded data migration scripts, including a 7 million row migration.
- Mentored junior developers from day one to delivering reliable PRs using TypeScript, React, GraphQL and SST.

Senior Software Engineer   Sep. 2020 – June 2021
Magic Leap   *Fort Lauderdale, FL (Remote)*
- Developed APIs to store data for MagicVerse users and their settings written in NestJs (TypeScript).
- Read internal documentation and implemented key user authentication APIs to support the MagicVerse platform.
- Worked on a middleware service for managing complex permissions leveraging Istio (Envoy) running OPA policies.

Software Engineer   Mar. 2019 – Sep. 2020
Sibi   *Gilbert, AZ (Hybrid)*
- Rewrote and maintained the React Native mobile application responsible for about 20% of purchases on platform.
- Helped reduce development time by refactoring and reusing code between the React web and mobile applications.
- Worked on a native iOS experiment leveraging augmented reality to allow users to "place" items in their homes.
- Made updates and improvements to the federated GraphQL API (TypeScript) to support feature requests.

Software Engineer   Dec. 2017 – Mar. 2019
Fyresite   *Phoenix, AZ*
- Worked directly with clients to build spec sheets, wireframes, timelines, and pricing estimates for features.
- Architected and implemented fullstack web and mobile applications using React, React Native, MySQL and AWS.
- Solely developed the Clutch mobile app, which was used by over 1,000+ members of DZ at ASU for their events.
- Built Zinkn, a rideshare app that matched elderly users with licensed care professionals via AWS Step Functions.
- Worked on Ten Minutes, a HIPAA compliant mobile app that provided situational information about anesthesia.

Software Engineering Intern   Nov. 2014 – Nov. 2017
Citrix - Octoblu   *Tempe, AZ*
- Pair programmed with senior developers to build features for the web IoT platform using React.js and AWS.
- Deployed changes for our web apps and connectors, such as app.octoblu.com and meshblu-connector-skype.
- Helped support users via Intercom chat to make onboarding and setting up custom automations easier.
- Created over 15 blog posts showcasing automations using the IoT platform, which can be seen on hackster.io.

Projects

AmpSkate | *TypeScript, React, Next.js, Postgres, Docker, AWS ECS, Terraform*   Dec. 2021 - June 2023
- A grassroots web app to foster community, provide information and teach people how to learn longboard tricks.
- Worked asynchronously with a UI developer from Italy and 2 marketing and content creators from Los Angeles.
- Architected and implemented the web app, API and CMS that served over 500 active users per month.
- Provided scopes, timelines and pricing estimates for feature development as well as evaluation of 3rd party APIs.
- instagram/amp_skate

React RPG | *JavaScript, React, React Native, Redux, HTML/CSS*   Sep. 2018 – Mar. 2022
- Created a 2D top-down open-source RPG in React from scratch using Redux and some CSS animations/tricks.
- Has a story mode as well as a randomly generated infinite mode, where maps and monsters are created on the fly.
- 10+ people contributed over the course of 4 years, and the project now has 350+ stars and 50+ forks on GitHub.
- One of the top maintainers of Redux helped identify a bug that was causing issues with the map data object.
- A group at Uni. of Auckland used this project for their CSE732 class by modifying the game to mimic DnD:5e.
- Try it out at react-rpg.com or check out the github for links to blog posts where I describe my process and goals.

Leadership

SunSesh AZ   Feb. 2021 - Present
Founder and Organizer   *Tempe, AZ*
- Host a weekly longboard dancing/freestyle meetup in Tempe, AZ, partnered with Loaded and Orangatang.
- Encourage and provide resources for local longboard enthusiasts that are new to the sport.
- Push members of the community to share their knowledge through events like downhill clinics and jam sesssios.
- Moderate a discord server with the goal of sharing tips, selling gear, etc. for over 100 members local to the valley.
- instagram/sunsesh_az

SAVG Thread   June 2017 - Aug. 2018
Founder and Designer   *Tempe, AZ*
- Launched a clothing brand by collaborating with local photographers, models, artists and clothing designers.
- Created and sold t-shirts with custom modifications, such as zippers, bleaching, etc. via my SquareSpace website.
- Worked with a local manufacturer to finalize my kimono pattern and produce a line of 25, which sold for $139/ea.
- Sold multiple custom lines of t-shirts, including a commission for a local artist to promote their short film.
- instagram/savgthread

Awards

2024 Most Innovative Project @ Sibi HackAIthon - Sibi, Gilbert, AZ
2023 Runner Up @ Sibi HackAIthon - Sibi, Gilbert, AZ
2017 Cisco IoT Finalist @ Smart City Hack - City of Phoenix, Phoenix, AZ
2017 Best Use of AWS @ HackAz - University of Arizona, Tucson, AZ
2016 1st Place @ Startup Weekend - University of Arizona, Tucson, AZ
2016 Best Beginner Hack @ HackAz - University of Arizona, Tucson, AZ
2015 Nodebots Champion @ Nodebots - Heatsync Labs, Mesa, AZ