Arin Houck
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Self-motivated engineer and entrepreneur with 8+ years experience as a full-stack developer using mostly Ruby on Rails, React, PostgreSQL, ElasticSearch, AWS, & NodeJS with Serverless Architecture (AWS Lambda).

Experience

HomeLight (Scottsdale, AZ), Staff Software Engineer   12/2022 – 04/2023
- Mentoring mid to senior level engineers on technical approaches, technologies, patterns, and processes
- Created an IaC (Infra-as-code) pipeline using Terraform to efficiently create AWS resources for 7 environments
- Improved service boundaries and team ownership by using Packwerk within fast-paced growing organization
- Setup Kafka cluster in AWS MSK and migrated from legacy Heroku add-on cluster
- Created various bots / tooling to reduce pull request merge time, improve code ownership, code quality, & production monitoring

HomeLight (Scottsdale, AZ), Senior Full-Stack Engineer   12/2019 – 12/2022
- Built an ElasticSearch index to store about 2 million documents which received update events from 20+ SQL tables that could be used to provide users with near realtime search experience and under 100ms response times
- Developed an automated user tasking system which listened on change events from various database tables
- Built an eSign integration with DocuSign to send out consumer facing signing sessions from application data
- Developed a distributed event system to stream and storage app level interactions using TimescaleDB & Kafka which had peak traffic of around 1,000 events / second
- Created a property, city, state, & zip search service using ElasticSearch from MLS data

Billfire (Scottsdale, AZ), Software Developer   01/2018 – 12/2019
- Developed on serverless architecture using AWS services running NodeJS to interface with React applications.
- Created a batch job that generated a fixed-width NACHA bank file which transacted over a $100M a day
- Analyzed payment history data to track anomalies and worked customer support tickets to diagnose critical bugs
- Built a payment customer portal using ReactJS to manage payment methods and integrated with Chase Bank API for payment processing
- Led a small team of developers to maintain our primary billing app and broke down product roadmaps to well defined sprint work by removing uncertainty in implementation details
- Created an internal React app to streamline deployment process and automated release notes
- Built E2E prototypes for demos using AWS Gateway Lambda & React for Click2Pay service

Software Ops (Scottsdale, AZ), Software Developer   04/2017 – 01/2018
- Playing a diverse role in multiple projects such as backend, front-end, and mobile (iOS and Android)
- Prototyped an iOS app to communicate with BLE devices to open a gate
- Optimized Rails applications to scale by cleaning up code for N+1's and optimizing data joins
- Built a push notification service from a Rails application to ping a mobile phone to report geo-location

Basebox Software (Scottsdale, AZ) , Full Stack Developer   08/2016 – 04/2017
- Designed and developed a entity resource planning application E2E with Ruby on Rails & EmberJS
- Developed faceted search and keyword search using ElasticSearch and Ruby for product catalog
- Took ownership of code quality – unit, integration, and automated acceptance tests

Gap Inc. (San Francisco, CA), Software Engineering Intern   06/2016 – 08/2016
- Improved testing automation and design of shopping bag coupon flow using Angular and Java
- Designed E2E application using Spring framework & EmberJS app to help stakeholders visualize product data for shipment route across US/Mexico border.

Basebox Software (Scottsdale, AZ), Full Stack Developer   08/2014 – 06/2016

Skills & Abilities
- **Languages:** Ruby, JavaScript, SQL, HTML, CSS, Swift, Java, Kotlin
- **Technologies:** Ruby on Rails, PostgreSQL, MySQL, ElasticSearch, TimescaleDb, Redis, Kafka, React, NodeJS, AWS, Infrastructure as Code (Terraform), EmberJS, AWS Lambda, AWS CloudFront, AWS MSK, AWS SQS, & more
- **Other:** Scaling background web & worker services, Performance testing, Application tracing, Application monitoring, E2E Development, Unit / Integration / Acceptance Testing, Custom bots, Web scraping, & more

Education

Arizona State University – Tempe, AZ   2013 – 2017
Bachelors of Computer Science

Startups / Projects

ConstructWork / EWA Ticket   **www.ewaticket.com**

Created an MVP in 2019 to digitize change orders or extra work tickets in the construction industry with Ruby on Rails, Postgres, & React.

Zinnect   **www.arinhouck.com/projects/zinnect**

Created an MVP in Rails and iOS app in 2014-2016 and assisted in building our user base to 5,000 students from ASU.

Gradebuildr   **www.arinhouck.com/projects/gradebuildr**

Built an MVP in 2015 to increase productivity in keeping track of academic curriculums using Rails and EmberJS.

About Me

I have a passion for building whether it is prototyping software or building cool furniture in my woodworking shop. I love to enjoy the outdoors through mountain biking, kayaking, gardening, overlanding, and swimming. I have one dog named Star, she's a border collie that loves to join me on my adventures.