

# Ken Hoff

## Full-stack Product Engineer

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<https://hoff.tech/>

(303) 882-6490

## Work Experience

### UI Lead at NextHealth Technologies

February 2019 to present

- Completely rebuilt the existing web app (Angular 1.4, built over 3 years with a dozen offshore engineers) in React - less than 1 year in, more than 80% of features were complete with 3 devs
- Managed the Denver UI team of 4 frontend devs / designers, including summer internship programs
- Designed and specced most backend API structure, including proper RPC / REST / GraphQL formats, and coached the backend team through implementation

### Senior Software Engineer at Halp (Acquired by Atlassian)

September 2018 to December 2019

- First engineering hire at Halp
- Built Halp, a standalone IT ticketing system deeply integrated with Slack, from 0 lines of code to an application with \$20k MRR, handling hundreds of tickets and thousands of messages per day
- Fun projects include: ticket state machine / reducer, Jira workflow graph traversal, "business hours" for ticket SLAs / reporting, and running the internship programs

### Software Developer / Developer Advocate at Stream

October 2017 to August 2018 - <https://getstream.io/>

- Built Winds 2.0, and open source RSS reader and podcast listening app, built with React, Redux, and Node.js - 5,000 stars on GitHub, #1 on Hacker News - [getstream.io/winds](https://getstream.io/winds)
- Developed showcase applications, technical content marketing, and conference / meetup talks
- Wore all the hats that startups usually need - writing documentation, technical sales, plunging toilets, process definition, etc

# Hofftech Design + Development

Spring 2016 to present - <https://hoff.tech/>

## RunLife Analytics

Longmont, CO - <http://runlife.run/>

- Built a survey tool with Node.js backend for collecting runner information and generating personalized running training plans
- Implemented multivariate linear regression machine learning algorithm to predict runner 5k time based on age, weekly mileage, whether they had a dog, and other variables
- Interactive visualization tool to help discover new insights about dataset of runners - e.g., that a runner's 5k time is strongly correlated with their BMI

## Harbour Funerals

London, UK - <https://harbourfunerals.com/>

- Implemented responsive designs across the entire site, including HTML emails that render the same in Gmail, Outlook, and other email clients
- Ensured **IE9** compatibility on every page - including flexbox, input placeholder, and Google Analytics event tracking support
- Re-architected HTML templates and deduplicated thousands of lines of redundant frontend code

## Frontend Web Development Instructor at Spark Boulder

Spring 2016 to present - <https://classbot.hoff.tech/>

- Developed and taught a 30-hour introductory frontend web development curriculum from scratch
- Built `@classbot`, a Node.js Slack bot designed to accept assignment submissions, grade the assignments, and give immediate feedback the students
- Built the **Spark Frontend Web Development Social Network**, a Node.js backend + REST API that the students were required to build a frontend to <https://spark-class-social-network-api.hoff.tech/>

## Microsoft

Summer 2015 to Winter 2016 - <https://azure.microsoft.com/en-us/services/active-directory/>

- Program Manager on the Azure Active Directory: Identity and Access Management team
- Served as product lead for the Unified Audit Log Reporting API, where it had 50% week-over-week growth rate in enterprise production environments
- Oversaw and served as SME on a vendor-built enterprise demo generation platform, saving enterprise sales reps countless hours setting up and managing their demo environments
- Organized the AAD Intern team for the 2016 Microsoft Hackathon, and served as product manager, project manager, and dev lead for the interns during the event