Jake Stoeffler

Software Engineer

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Specialties

React Native, Android, iOS, AWS, TypeScript, GraphQL, C++, Qt

Mobile & web software architecture, technical leadership, mentoring, cross-platform application development, user-centered design, remote collaboration

Experience

Energy Conservatory / Software Engineer
JUL 2024 - PRESENT, REMOTE (WISCONSIN)

- Led effort to launch project data warehouse using AWS Lambda, S3 and React.
- Developed Qt-based GUI for embedded Linux touchscreen device.
- Enhanced native iOS and Android apps to control multiple pressure and flow devices simultaneously.

Hinge Health / Staff Software Engineer
DEC 2022 - JUL 2024, REMOTE (WISCONSIN)

As lead engineer of Onboarding team, drove the design and delivery of business-critical technical and product initiatives within the company's flagship mobile app, including:

- New movement evaluation experience, resulting in a $28.4M annual revenue increase through a 7% lift in onboarding rate.
- Multiple experiments in progress tracking and physical incentives, which together increased second session completion rate by 7%.
- Reduced p95 app load time from 10+ seconds to 3.8 seconds.
- Migration to microservice architecture for playlist generation, removing major technical debt burden from the team.

Amazon / Senior Software Development Engineer
FEB 2019 - DEC 2022, REMOTE (WISCONSIN)

Led multi-disciplinary engineering team to launch A to Z's React Native home dashboard built from the ground up on top of AWS API Gateway, Apollo GraphQL, and Kotlin Lambda. Served in a tech lead role, working closely with product, program, and senior leaders across the organization. Launched to 1M+ users in Oct 2021 with average 4.8/5 star app reviews.

Architect of multi-tenant React Native application framework allowing development teams to independently deliver business-critical functionality for Amazon Associates. Onboarded 6 app development teams to this platform in 2021 and 10 planned for 2022.

Owned launch of A to Z mobile app in the App Store, enabling 2M+ Associates to utilize the app providing "HR in your pocket."

Led design and implementation of OAuth 2.0 authentication flow for Android and iOS native apps processing 15k+ logins per day.

ChowCow / Software Engineer

APR 2020 - JAN 2021, REMOTE (WISCONSIN)

Launched online ordering platform for small-town Wisconsin restaurants during the height of COVID. Set up 3 active, established restaurants with full menu build-out, and apps for consumer and kitchen staff.

- Tech used: React, PWA, Firebase functions and hosting, Stripe payments

227 Labs / Software Engineer, Owner

MAY 2014 - FEB 2019, REMOTE (WISCONSIN)

Native Android & iOS apps for measuring building airtightness

- Tech used: Java, Android NDK, Obj-C, C++

Cloud data warehouse for building science professionals

- Tech used: Auth0, AWS S3, Lambda, AppSync, GraphQL, iOS/Android/Web clients

IBM / Software Engineer

JUNE 2014 - MAY 2015, ROCHESTER, MINNESOTA

- Developed IBM Watson for Oncology using AngularJS atop REST APIs. Responsive design for desktop and mobile platforms.

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Education

Cornell University

JUNE 2023, VIRTUAL

Technology Leadership Certificate

University of Wisconsin - Madison / Computer Science

SEPT 2010 - MAY 2014, MADISON, WI

Bachelor of Science (BS) with Comprehensive Honors, Computer Science

Certificate in Mathematics