Jonah Hirsch
Software Engineer

Software Engineer with expertise in Web Development, leveraging Ruby, JavaScript, PHP, and Elixir. Additional experience developing mobile applications. Primarily Android, and secondarily iOS. Experienced at system administration, administering both Unix/Linux and Windows environments, including hardware, from the end-user system to the servers and network hardware. Enjoys creating software that, either with simple tools, or with complex applications, improves people's lives.

Work

Software Engineer - Mobile | Google – Mountain View, California · JUN 2019 – PRESENT

- Google Nest Android Developer working on Google Home Application.

Senior Software Engineer Android | RetailMeNot – Phoenix, Arizona · JUN 2017 – APR 2019

- Worked on large-scale native Android application, writing features, unit tests, and integration tests.
- Utilized both Java and Kotlin to write Android features, including converting legacy Java code to Kotlin.
- Created UI, core logic, and API client libraries for Android application.
- Collaborated with Design team to create android-specific designs that fit in with the overall app look and feel.
- Led efforts related to the Gift Cards portion of the core RetailMeNot Android application.
- Led efforts related to a Gift Cards specific Android application.

Senior Software Engineer | RetailMeNot – Phoenix, Arizona · APR 2016 – JUN 2017

- Primarily Ruby on Rails development, also utilized Elixir, Java and Javascript.
- Managed applications in both Heroku and AWS infrastructures.
- Designed multiple new systems/applications.
- Led conversion of existing Ruby on Rails applications to Java (Spring) based applications.
- Assisted with integration of Giftcard Zen systems with RetailMeNot systems.

Full Stack Engineer | Giftcard Zen – Phoenix, Arizona · AUG 2014 – APR 2016

- Worked this position as part of Giftcard Zen - acquired by RetailMeNot in April 2016.
- Second most senior engineer at time of acquisition.
- Designed and developed Web Applications and microservices, and a Chrome Extension.
- Managed and develop distributed systems utilizing Sidekiq and RabbitMQ for message passing.
- Improved responsiveness of customer facing web application by 30% with database, query, and caching optimizations.
- Responded to Information Security issues in real time and prevented or mitigated attacks and vulnerabilities.
- Led Engineering team responsible for customer facing eCommerce application and internal user tooling.

Application Systems Analyst | Northern Arizona University – Flagstaff, Arizona · OCT 2009– AUG 2014

- Part time as student through May 2012.
- Developed a proof-of-concept Android app with Java to provide secure door access without the use of a physical ID card.
- Performed field technical support for university's proximity card access control and point-of-sale system and employees.
- Created and managed servers and their applications running both Windows Server and Ubuntu, evangelizing for Linux.
- Used the Android SDK to develop applications for NAU to replace expensive proprietary hardware and software solutions.
- Assisted in creating a virtual server environment, including a cluster of servers and a shared storage solution.
- Developed PHP and Javascript single page web application with offline capabilities to replace propriety Android application

Education

Computer Science B.S | Northern Arizona University · 2012

ABET accredited program