

Adam Rothman

SOFTWARE ARCHITECT · SECURITY ENTHUSIAST

18 10th St. #734, San Francisco, CA 94103, United States

☎ +1 (310) 770-1401 | ✉ rothman.adam@gmail.com | 🏠 adamrothman.com | 📷 adamrothman | 📺 adamrothman | 📺 adamrothman

Summary

Architect and generalist seeking an impactful, challenging position. Over seven years of experience specializing in backend and iOS development, infrastructure design and management, and API design. Passionate about security. Early adopter, fast learner, and general lover of technology.

Experience

Post Social

Oakland, CA

FOUNDING MEMBER AND BACKEND ARCHITECT

Oct. 2015 - Present

- Designed and implemented backend service stack to support real-time messaging, user proximity detection, and geospatial feeds.
- Created versatile APIs backed by asynchronous REST and WebSocket-based services.
- Managed deployment, configuration, and automation of sophisticated AWS infrastructure.
- Developed a broadly-compatible push notification gateway service for use with APNs, FCM, and AWS SNS.
- Published an open-source, asynchronous HTTP/2 client library (ftl) for Python based on asyncio.
- Coordinated with client developers across platforms (iOS, Android, and web) to provide consistent, performant APIs.
- Architected security and privacy schemes on-device and on the backend.
- Administrated corporate finances, coordinated vendors, and worked with contractors.

Jawbone

San Francisco, CA

SENIOR BACKEND SOFTWARE ENGINEER, INNOVATION TEAM

Jan. 2015 - Sept. 2015

- Created and managed backend infrastructure for a developer SDK providing local user presence detection via low-energy Bluetooth.
- Collaborated on the design and implementation of algorithms for secure, anonymous advertisement of identifiers over Bluetooth.
- Implemented proof-of-concept SDK for Android.

Yelp

San Francisco, CA

FULL-STACK MOBILE ENGINEER, IOS AND BACKEND

Sept. 2012 - Jan. 2015

- Rearchitected backend service responsible for downloading and presenting movie time and theater data from Fandango.
- Led effort to prepare iOS client for launch in Japan.
- Led development of a new service to manage ingest and transcoding of user-uploaded video content.
- Team deputy for both internationalization and ops.
- Interviewed prospective engineering hires.
- Created YelpLove as a Hackathon project (later open-sourced).

Yelp

San Francisco, CA

INFRASTRUCTURE ENGINEERING INTERN

Jun. 2012 - Sept. 2012

- Designed and implemented monitoring dashboard for disparate backend services.
- Refactored backend modules to simplify dependency graphs.

Meebo

Mountain View, CA

SERVER-SIDE ENGINEERING INTERN

Jun. 2011 - Sept. 2011

- Developed an experimental iOS application to let users browse recommended stories curated by content team.
- Maintained, improved upon, and contributed to backend software stack.

Stanford University

Palo Alto, CA

CS 106A SECTION LEADER

Jan. 2011 - Jun. 2011

- Taught undergraduate students introductory computer science concepts in Java.
- Led a weekly discussion section and end-of-quarter exam review. Held office hours and graded assignments and exams.

Education

Stanford University

Palo Alto, CA

B.S. IN COMPUTER SCIENCE

2009 - 2013

Skills

- Languages** Swift, Python, Objective-C, Ruby, C/C++, Rust ^{a little}
- Infrastructure** AWS, Docker, PostgreSQL, Redis, Neo4j, Twilio, OpenVPN
- Ask me about** Video games, food, Dungeons & Dragons, building computers, TrainTrack, custom knives and flashlights