

Haim Grosman

Architecting, building and maintaining cross platform native infrastructure, services and frameworks that power and build products people Love to use, and rely on.

EXPERIENCE

Airbnb , San Francisco, Ca — *Software Engineer*

Aug 2019 -

Metrics & Data Infrastructure - Architecting, Building and Maintaining server side data collection systems used to compute business metrics sliced by multiple dimensions and feature extraction for machine learning pipelines.

Tesla , Palo Alto, Ca — *Senior Staff Software Engineer*

Sep 2016 - Aug, 2019

Architecting, Prototyping and Building server/client infrastructure for the Tesla Autopilot (self driving).

The infrastructure was used to collect and process data from millions of 1customer owned Tesla vehicles in order to train and improve Computer Vision and AI decision making neural nets powering the Tesla Autopilot.

Playing with Web Apps— *owner*

Aug 2017 - Present

<https://krzcool.com>

Share your thoughts and honest feedback with anyone, anonymously and discreetly.

<https://blipyip.com>

Frictionless & Anonymous group chat rooms.
Built end to end in about 2 weeks.

Cellepathy— *Board Of Advisors*

2014 - 2019

Help Cellepathy solve the connected car problems related to driver attention by leveraging artificial intelligence and smartphone sensor data.

San Mateo, Ca

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<https://hgrosman.com>

SKILLS

AWS: EC2 / S3 / ElasticSearch
Route53 / Kinesis / SQS /
Firehose / RDS / Redshift /
Athena / EMR / Apache Spark

Apache Kafka

Microservices, Data
Infrastructure, Distributed
compute, Stream Processing

Linux, macOS, iOS.

Go / C++ / C / ObjC / ObjC++ /
Swift / Python / Shell
scripting

Prometheus / Grafana

iOS Core Location, Core
Motion, Core Routine, UIKit

Flask / Django

facebook::Scribe

facebook::folly

Apache Thrift

SQLite / leveldb / rocksdb

Slack bots / integrations

OpenSceneGraph

OpenGL

LANGUAGES

English, Hebrew, Russian

Slack, San Francisco, Ca — Senior Staff Software Engineer

Aug 2015 - Aug 2016

Architecting, Prototyping and Building shared, native, cross platform libraries and services powering Slack.

Allowing it to scale its infrastructure linearly.

libslack & slackd architecture:

https://hgrosman.com/HaimGrosman_libslack.pdf

Facebook, Menlo Park, Ca — Software Engineer (E6)

Nov 2013 - Aug 2015

- Supporting legacy data collection and real-time data streaming component (scribe) that powers most core services like monitoring, data analytics, trending topics, ad impressions, billing and many others.
- Developing the next version of scribe: scribed, scribex and ztail; solving existing pain point and allowing it to scale the existing system by x10:
 - Complete rewrite Java -> C++
 - Eliminating the HDFS as a dependency
 - Eliminating the single point of failure: HDFS name node.
- Developing Instagram's data collection pipelines and integrating them with facebook data collection/processing/mining tools: Scribe/Hive/Presto/Scuba. Collected data is critical for:
 - Monitor the service.
 - Build new features like trending hashtags.
 - Model user behaviour and prototyping of new features.
- Developing Instagrams feature targeting - Dynamic Gatekeeper. Allowing Instagram to target features to dynamic sets of users.
- Developing iOS Product Infrastructure to help the iOS Facebook application to improve performance and reliability.
For example: Implementing real-time network performance and quality monitoring (integration with Proxygen)

Upthere, Palo Alto, Ca — Member Of Technical Staff

April 2013 - November 2013

Architecting, developing and debugging a private and public Framework powering the iOS / macOS applications.

Apple, Cupertino, Ca — Senior Software Engineer

May 2010 - April 2013

Crafting, Developing, Maintaining and Perfecting the iOS/macOS CoreLocation Framework and service used by developers across the world to create super awesome location-aware mobile applications running on all our iOS and macOS devices.

Also the guy who,
reminds Siri to remind you, to 'do <something> when i get to
<somewhere>'

And the guy who,
makes sure GPS works quickly, accurately, anytime and anywhere.

And the guy who,
makes sure location services work quickly, robustly, and safely, even
when there is no network connectivity at the moment.

And the guy who,
makes sure the CoreLocation client and server speak the same language
fluently.

And the guy who,
makes sure your shiny iPhone/iPad's battery lasts longer.

And the guy who,
likes to write a Python script, before going to sleep.

Zoran, Sunnyvale, Ca — Senior Software Engineer

2004 - 2009

Developing public and private SDK for proprietary multimedia SoCs
powering consumer devices - Digital Cameras, DVD recorders/players and
digital TVs.

EDUCATION

Technion, Haifa, Israel — B. S. Computer Science - *Software Engineering*

2000 - 2004

Graduated Cum Laude

PATENTS

<http://patents.justia.com/inventor/yefim-grosman>

<http://patents.justia.com/inventor/haim-grosman>

NAVIGATING THROUGH MEDIA OBJECT COLLECTION
US20150134638

Altitude estimation using a probability density function
US8391889

Location Estimation Using a Probability Density Function
US20120309428

Mobile device location estimation
EP2530983, US20120309410

Neighbor Cell Location Averaging
US20120309387

Monitoring geofence exit
US20120309409

Selecting wireless access points for geofence monitoring
US20120307645

Method and apparatus for image correction
US20110069204

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