

Excellent problem-solving, teamwork and leadership skills demonstrated across 10+ years. Extensive experience in building and leading multiple teams across different company sizes: from small startups to large enterprises such as Google. Deep technical knowledge in distributed backend systems, SQL and No-SQL databases, designing and building APIs at scale, web, mobile and cross platform applications.

## Education

### **Massachusetts Institute of Technology**

Aug 2013 - June 2015

Master of Science in MAS program at the MIT Media Lab, GPA: 5.0/5.0

- Thesis: "Invisible Ink: blockchain for data privacy" (cited 25+), under the supervision of Prof. Andrew Lippman
- Received a full Research Assistantship of \$200,000
- Teacher Assistantship in *How to Make (almost) Anything* course (MAS.863/4.140)
- Winner of MIT Bitcoin Summer Startup Competition

### **The Interdisciplinary Center, Israel**

Oct 2007 - Jun 2010

Bachelor of Arts (Hon.) in Computer Science, minor in Business Administration at Efi Arazi School of Computer Science

- Wharton School of Business at the University of Pennsylvania: One of three students selected for an exchange program
- Recipient of the Dean's list award of academic excellence

## Volunteering

### **Mentor, Google**

May 2012 - Aug 2013

Technology and product mentor for startups in Google's Launchpad accelerator; Led startups to solving challenging technical problems

### **Advisory Board Member, Outbox**

Aug 2010 - Aug 2013

An NPO that creates equal opportunities for talented young designers, artists and illustrators with over 1 Million NIS yearly income

Provided counseling in general management decisions, goals and targets, projects roadmap and technology

## Professional Experience

### **Software Engineering Manager, Google Fiber**

Sep 2019 - Present

- Leading 3 teams with 15+ Software Engineers and Technical Program Managers
- Built and scaled the team from the ground up
- Enabled the growth of Google Fiber to additional markets
- Standardized and centralized all asset management solutions to reduce operational costs and engineering complexity
- Stabilized and scaled field technician dispatching operations to enable Fiber's growth and reduce operational costs

### **Software Engineering Manager, Google**

Jan 2018 - Sep 2019

- Led a team of 10+ Software Engineers building developer infrastructure tools
- Landed a set of API scaffolding tools that saved 4+ SWE years for 30+ teams
- Landed an open source API linter that runs on 2000+ APIs across Google
- Led Google's HR API that served the entire company

### **Senior Software Engineer, Google**

Dec 2016 - Jan 2018

- Designed and implemented infrastructure tools/services/libraries adopted across Google
- Productionized and scaled backend services, including setting up monitors, alerts, probes, load balancing, auditing, redundancy, and more
- Built a frontend web application for a Content Management System

### **Senior Developer Advocate, Google**

Jun 2015 - Dec 2016

- Initiated and led 10 20%ers to launch an ad-suggestion engine that later matured to be part of the Adwords product
- Analyzed developer community needs and influenced product roadmap and key engineering decisions
- Worked with partners to design partner systems from scratch
- Represented the product in external developer community conferences (keynotes and tech talks) and meetings

### **Research Assistant, MIT Media Lab**

Aug 2013 - May 2015

- Developed a system that gives people control and ownership over their digital personal data using a decentralized peer-to-peer platform built with blockchain technology; Backend built with MongoDB, Node.js and Python
- Led and managed teams of engineers to produce prototypes for demonstration at the biannual MIT ML member's conference
- Created a cross-platform WebGL based library called Sphera, that orchestrates different sensors and input devices to facilitate and optimize the development of technologies for virtual reality and digital immersion environments
- Built and developed a collaborative, multi-touch, hemispheric display called the Crystal Ball, for a smart remote control. WebGL based application that provides individual and group recommendations, for media selection; Group can also be physically in remote locations

### **Co-Founder, The Israeli Android Association**

Oct 2011 - Sep 2013

- Formed a community of engineers, designers, managers and entrepreneurs with over 2000 members
- Presented at and organized events, hackathons, lectures and labs on Android, web and ADK technologies

### **Senior Android Technical Lead, Bizzabo**

Apr 2012 - Aug 2013

- Designed and built the architecture of the Android client; Optimized for most OS versions
- Improved the overall Android client performance and memory management which reduced customer's complaints by over 40%
- Developed a sophisticated peer-to-peer broadcasting mechanism which increased engagement in low internet connectivity

### **Team Leader, Pointer Telocation Ltd**

Oct 2009 - Apr 2011

- Managed a team of two engineers in developing a cross platform mobile application system (iOS, Android)
- Designed and developed both the frontend and the backend of multi users web applications

### **Co-Founder and CTO, SoundSpot**

Oct 2009 - July 2010

A Media Innovation Lab spinoff for a location based music discovery network

- Modeled and characterized industry and market needs, identifying segments and product positioning
- Designed and developed SoundSpot mobile application; invented Sound-Gestures which provided a strong competitive advantage

### **Team Leader, Israel Defense Forces: Intelligence/Telecommunications Corps**

Dec 2002 - Nov 2005

- Managed seven instructors and 150 cadets in System Administrators course
- Improved department's efficiency through the establishment of a pre-training course in software programming