

Pooya Karimian

SOFTWARE DEVELOPMENT LEAD AND ENGINEER

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PROFILE

Passionate software engineer and dedicated leader with 15+ years of experience both at startups and big-tech. I build high quality and life-changing products that make real revenue.

EXPERIENCE



Software Engineer @ Meta

Menlo Park, CA | 2015 - Present

- Led roadmapping, development, hiring and on-boarding for 15+ engineering teams. Led cross-functional and cross-organization collaborations working closely with PM, Data, Design, UXR and Marketing teams.
- **Ads & Monetization:** Tech Lead on two fast growing ads products: Video In-stream Ads and Messaging Lead Gen Ads. Generated exponential revenue growth and handled complex user sentiment challenges.
- **Business Messaging:** First engineer and Tech Lead on Messenger Bots, Business and Platform and BMX teams. Business Messaging is now a multi-billion dollar industry.
- **New Messaging Experiences:** Tech Lead on Messenger Games and Messenger Rooms teams. Orchestrated the architecture and led mobile/platform/infra engineers to deliver high impact projects.



Software Engineer @ Facebook

Vancouver, BC | 2013 - 2015

- Joined as a senior and early member for a new local team, contributed to hiring and culture building in this newly founded ~100 people office.
- **Web Messaging Infrastructure:** Engineer on Real-time Infrastructure and Messaging Foundation teams, responsible for delivery of billions of messages in real-time and leading complex investigations. Developed the API for a new real-time backend and delivery/seen flags.



Senior Software Engineer @ Sencha

Vancouver, BC | 2012 - 2013

- Early engineer on **Sencha.io**, a suite of cloud-based services for mobile web apps. I led the development of a high-performance eventually consistent syncing database, messaging backend and AWS/Azure cloud deployment services. Founding engineer on Sencha Space, a secure enterprise environment.
- Contributed to several open-source projects: [Node.js](#), node-zookeeper, node-syslog, helenus, node-pool.



Lead Frontend Developer @ Zite (Acquired by CNN)

Vancouver, BC | 2008 - 2012

- One of the four engineers on **Zite**, an ML/AI driven Personalized Magazine. Full stack developer across infra, UI and iPad app of this recommender system. Selected as **Best News App of the Year** by Apple and NYTimes.
- Lead front-end engineer for Worio Discovery Engine: serendipitous recommendations on top of search results.



Software Developer @ Sxip Identity

Vancouver, BC | 2007 - 2008

- **Sxipper:** Best of its kind password manager, form-filler and OpenID solution. Collaborated with the open-source community at Mozilla Firefox.
- **Sxip Social:** Sole developer on this Identity Manager and social assistant integrated into web browsing.



Co-Founder @ Netbill (Acquired by Ghasedak Samaneh)

Tehran, IR | 2004

- High-performance multi-tenant ISP accounting solution. Customizable UI templates. Radius AAA, Linux appliance or hosted solution.
- Acquired by one of largest holding internet providers. Generated millions in revenue.



EDUCATION

- Simon Fraser University, M.Sc.
School of Computing Science
Vancouver, BC | 2007
 - Areas: Autonomous Robots. Distributed Networks. Behavioral Robotics. Computer Vision. Human Activity Recognition.
 - Thesis: [Audio Communication for Multi-Robot Systems](#)
- Sharif University of Technology, B.Sc.
Computer Engineering Department
Tehran, IR | 2003
 - Areas: Robotics. Computer Vision. Programmable Hardware. Robot World-Cup Competitions (Robocup).
 - Thesis: [Color-based Fast Object-tracking System from Video Frames in a Robotic Environment](#)



SKILLS

- Languages: C / C++ / C#, Hack/PHP, Javascript/TypeScript, Node.js, Python, Objective-C, Java.
- Databases: MySQL, PostgreSQL, Presto, Hive, Spark, Cassandra, ZooKeeper, Riak.
- Platforms: Cloud, AWS, Azure, GCP, React, Linux, Containers, Docker.
- Engineering: Networks, Distributed Computing, Computer Security, Cryptography, Robotics.
- Science: Algorithms, ML / AI, Computer Vision, Clustering, Classification, Experimentation, A/B Testing.
- Software Management: Git, GitHub, Mercurial, SVN, JIRA, Bugzilla.
- Internationalization: Unicode, Bi-directional Text, Localization.

PATENTS

- US 29/687,666 P. Karimian, A. Vaccari, L. Guang. ["Display Screen with Graphical User Interface for Games in Messaging"](#). Facebook Inc. Jan 2020.
- US 15/783,936 P. Karimian, A. Vaccari, L. Guang. ["Game Channels in Messaging Applications"](#). Facebook Inc. Oct 2018.
- US 15/054,103 P. Karimian, S. G. Rosenberg, M. Steiner, I. Sukhar. ["Techniques for Messaging Bot Rich Communication"](#). Facebook Inc. Aug 2017.

PUBLICATIONS

- P. Karimian. ["Audio Communication for Multi-Robot Systems"](#). M.Sc. Thesis. School of Computing Science, Simon Fraser University. August 2007.
- P. Karimian, R.T. Vaughan, S. Brown. ["Sounds Good: Simulation and Evaluation of Audio Communication for Multi-Robot Exploration"](#). Proceedings of the IEEE/RSJ Int. Conf. on Intelligent Robot and Systems (IROS 2006), Beijing, China. 2006.
- M.E. Alian, S. Bagheri Shouraki, M.T. Manzuri Shalmani, P. Karimian, P. Sabzmejdani. ["Roboshark: A Gantry Pool Player Robot"](#). Proceedings of 35th International Symposium on Robotics, Paris. 2004.
- P. Karimian, P. Sabzmejdani. ["Implementation of a Color-based Fast Object-tracking System from Video Frames in a Robotic Environment"](#). B.Sc. Thesis. Computer Engineering Department, Sharif University of Technology. September 2003.
- M.T. Manzuri, P. Karimian, M. Motamed, R. Mottaghi, P. Sabzmejdani, R. Taghipour. ["Sharif CESR Small Size Robocup 2002 Team"](#). RoboCup 2002: Robot Soccer World Cup VI, The 2002 International Robocup Symposium Proceedings, Fukuoka, Japan. June 2002.
- M.T. Manzuri, H.R. Chitsaz, R.Ghorbani, P. Karimian, A. Mirazi, M. Motamed, R. Mottaghi, P. Sabzmejdani. ["Sharif CESR Small Size Robocup Team"](#). RoboCup 2001: Robot Soccer World Cup V, Lecture Notes in Computer Science 2377. Springer-Verlag. 2002.
- J. Habibi, E. Foroughi, M. Motamed, P. Karimian, H. Hatami, H. Fardad. ["SharifII Soccer Simulation Team"](#). RoboCup 2000: Robot Soccer World Cup IV, Lecture Notes in Computer Science 2019. Springer-Verlag. 2001.