David R. Orr
Software Engineer

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(908) 509-1598
Remote / Baltimore, MD

EXPERIENCE

Gather Presence (gather.town, getgrapevine.ai), Remote

AI engineer (after company pivot to AI)   August 2025 - Present
- Improved quality of our company context AI slackbot's proactive answers
- Redesigned subagents for our AI code review tool, which promptly prevented an incident

Tech Lead - Video   January 2023 - August 2025
- Championed observability, quality, monitoring, and operational excellence on the video team
- Worked closely with EM to develop the team's roadmap
- Designed and led projects like introducing a network accelerator to reduce packet loss and latency by 10%
- Led project to rearchitect client code to be more reliable and more maintainable

Engineering Manager - Video   June 2021 - January 2023
- Managed the realtime video team, the core of Gather's videoconferencing platform
- Set roadmap and technical direction, hired new engineers
- Drove massive reliability improvements in the in-house video service

Google, Pittsburgh, PA

Software Engineer   July 2019 - June 2021
- Built metric pipeline to count incorrectly blocked ads, enabling revenue recapture
- Optimized existing metrics pipelines to reduce resource usage and toil
- Established a framework for fault injection testing Cloud Logging team software components, leading to 95% fewer public API server crashes and 70% reduced memory usage

Petuum, Pittsburgh, PA

Software Engineer / Tech Lead   August 2017 - May 2019
- Led optimization efforts for the data cleaning tools on Petuum's machine learning platform, achieving a 48x increase in max data size
- Designed and led development of the workflow API, which allows users to build and execute data cleaning and machine learning Apache Spark workflows via a visual interface

Bizowie, Pittsburgh, PA

Chief Technology Officer   August 2015 - April 2017
Software Engineer   October 2013 - July 2015
- As first engineering hire, wore many hats and helped ~10x client count
- Built and productionized ERP modules for areas of business like order entry, CRM, inventory

EDUCATION

Carnegie Mellon University BS in Computer Science   May 2014

SKILLS

Languages Typescript, SQL, python, bash, regular expressions, C++

INTERESTS

Karate, hiking, rock climbing, snowboarding