Steven Heidel

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Summary

I develop software and develop people. In the past I've helped build quantum computers, created new professional social networking apps, and co-founded a startup in the entertainment space.

Experience

Rigetti Quantum Computing   **Berkeley, CA**

Software Engineering Manager   *May 2018 – May 2019*

- Managed a team of five software engineers to scale out internal tools and databases
- Delivered multiple wins including improving fabrication efficiency, unlocking new kinds of quantum experiments, and orders of magnitude increases to performance
- Scaled Postgres to handle terabytes of experimental physics data
- Set up hiring process, trained interviewers on how to conduct software engineering interviews, and managed senior engineer hiring

Senior Software Engineer   *Sep 2017 – May 2018*

- Led development of Rigetti's first cloud quantum computing product
- Created a highly optimized open-source RPC framework over ZeroMQ
- Implemented backend with Python 3 using asyncio and frontend with React, GraphQL, and Typescript

LinkedIn   **San Francisco, CA**

Staff Software Engineer   *Dec 2016 – Sep 2017*

- Lead engineer on the Enterprise Platform (EP) team. EP provides common functionality such as license management, external integrations, and access control to all enterprise applications at LinkedIn.
- Rebuilt enterprise search platform from the ground up to use Elasticsearch. This increased maintainability and led to a 10x decrease in cost as well as significant performance improvements. Used Spark to build offline indexes.
- Led team to migrate Sales Navigator from a legacy system to EP which was needed to close a big customer
- Gave company-wide engineering presentation on functional programming and composition in Java 8

Senior Software Engineer   *Sep 2015 – Dec 2016*

- Worked on LinkedIn Lookup: the fastest way to find, learn about, and contact anyone at your company
- Architected the API server using Scala and Play to communicate with the web and mobile apps
- Worked with growth and messaging teams to optimize member communications from actions generated by the app using Kafka and Samza for the data pipeline
- Maintainer of open source Scala library called Clump which automatically optimizes microservice calls, providing a powerful and composable interface for aggregating resources. Ported to Java as well.

Software Engineer   *Aug 2014 – Sept 2015*

- Worked on Campaign Manager, a product which advertisers use to manage $400M+ worth of campaigns per year
- Added key features such as targeting selection and segment reports
- Refactored inefficient parts of the application to create a faster and better user experience

Encore   **Toronto, ON**

Co-Founder and CTO   *Mar 2013 – Aug 2014*

- Encore was an iPhone app designed around the memories created at live music shows
- Founded as part of The Next 36 startup accelerator program, which included both venture funding and a subset of MBA classes from the University of Toronto

Education

University of Saskatchewan   **Saskatoon, SK**

B.Sc. (High Honours) in Computer Science, Minor in Mathematics   *Sep 2009 – Apr 2014*