Tyler **Lubeck**

SOFTWARE ENGINEER · SITE RELIABILITY ENGINEER

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Experience

Coffee Meets Bagel   *Remote*

SENIOR SOFTWARE ENGINEER   *Dec. 2019 - Present*

- Lead working group to improve user-to-user chat experience. Learned XMPP and redesigned infrastructure for MongooseIM (Jabber) cluster
- Rebuilt CI pipeline for monolithic repository, stabilizing deploys and freeing up hours of developer time per day
- Planned and hosted BagelCon, the internal Coffee Meets Bagel developer conference
- Mentored junior engineers and assisted with internship program

SurveyMonkey, Transit Team   *San Mateo, California*

SOFTWARE ENGINEER IV, TEAM LEAD   *Mar. 2018 - Nov. 2019*

- Maintained and updated a Hashicorp Consul cluster spanning eight datacenters
- Maintained multiple RabbitMQ clusters handling thousands of messages per second
- Implemented a Kafka cluster capable of routing tens of thousands of messages per second, and plan and perform a migration from RabbitMQ to Kafka
- Researched and implemented the 'next generation of caching', involving a custom caching library with support for connection pooling and a new TWEMProxy installation
- Worked with engineering teams to profile and optimize the performance of their applications

SurveyMonkey, SRE Team   *San Mateo, California*

SOFTWARE ENGINEER III   *Jan. 2017 - Mar. 2018*

- Implemented and maintained core routing infrastructure for all of SurveyMonkey's web traffic in both NGINX+ and F5
- Worked with Security and Engineering to define and implement development and deployment processes to meet PCI requirements
- Assisted in buildout of docker and ansible based automated deployment system with support for multiple datacenters
- Team Lead for the infrastructure components of building out, and failing over to, a new datacenter

SurveyMonkey, User Team   *Palo Alto, California*

SOFTWARE ENGINEER I, SOFTWARE ENGINEER II   *Aug. 2015 - Jan. 2017*

- Implemented and maintained the development stack used across the engineering organization
- Implemented features across the application stack, ranging from MSSQL stored procedures to Python and React based applications

Microsoft, OneDrive for Business Team   *Redmond, Washington*

SOFTWARE DEVELOPMENT ENGINEER INTERN   *May 2014 - Aug. 2014*

- Created an API in Sharepoint's Client Side Object Model to enable manipulation of files and folders from both C# and Javascript
- Built a modular file tree control in Javascript with support for asynchronous data loading
- Gained experience working within a large codebase and complex build system

Tufts University   *Medford, Massachusetts*

TEACHING FELLOW, CO-INSTRUCTOR: WEB ENGINEERING   *Sep. 2012 - May 2015*

- Authored curriculum to teach fundamental web engineering to undergraduate students
- Graded projects and ran office hours for courses ranging from 50 to 300 students
- Supervised a team of 5 teaching assistants

Education

Tufts University   *Medford, Massachusetts*

B.S. IN COMPUTER SCIENCE   *August 2011 - May 2015*

Publications

Device-agnostic Wi-Fi fingerprint positioning for consumer applications   *IEEE*

PERSONAL, INDOOR AND MOBILE RADIO COMMUNICATIONS (PIMRC)   *Aug. 2015*

- Researched the use of Wi-Fi fingerprints to determine the location of a device indoors
- Achieved accuracy within three meters
- Paper available at https://ieeexplore.ieee.org/document/7343660