Tyler **Lubeck**

SOFTWARE ENGINEER · SITE RELIABILITY ENGINEER

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Experience

Coffee Meets Bagel
Remote

SENIOR SOFTWARE ENGINEER
Dec. 2019 - Present

- Created and led SRE team. Performed weekly performance and reliability reviews and implemented fixes to improve site status
- Lead cross-platform team to improve the resilience of CMB's user-to-user chat experience. Supported 10,000 active connections during infrastructure upgrades with no downtime
- Implemented infrastructure to support client development of user-to-user video chats as part of our Covid-19 response
- Rebuilt Jenkins CI pipeline for monolithic repository, stabilizing deploys, freeing up hours of developer time per day, and dropping minimum time to recovery from 45 minutes to 1 minute
- Planned and hosted BagelCon, the internal Coffee Meets Bagel developer conference, with 24 speakers and a BattleBot competition
- Mentored junior engineers and assisted with the CMB 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
- Worked as lead engineering mentor for the internship program, consisting of 25 engineering interns across multiple teams

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