Sun-Li Beatteay
Software Engineer

www.sunli.co   New York, NY   sjbeatteay@gmail.com

SUMMARY

I am a full stack and distributed systems engineer with a passion for collaborative tools and cloud computing. I have expertise in designing, implementing, and scaling distributed architectures. I also have multiple years of experience building consumer facing software with a proficiency in Ruby, Node, Javascript, Git, Linux and RESTful APIs.

EXPERIENCE

Conclave (https://bit.ly/conclave-site)
Co-Creator   New York, NY   October 2017—Present

- Co-created and deployed an open source, real-time, P2P, collaborative editor.
- Built a conflict-free replicated data type to increase throughput by over 1000%.
- Created a P2P architecture using WebRTC to reduce network latency up to 3000%.
- Utilized a distributed system and gossip protocol to reduce scaling costs by 100%.
- Implemented a load-balancing algorithm to scale the application to dozens of concurrent users.
- Built a version vector to guarantee causality and merge non-commutative operations.
- Wrote a detailed case study (**http://bit.ly/conclave-post**) that has garnered over 5,000 views and have given presentations at a number of Meetups.

Contract Full Stack Engineer
Full Stack Engineer   New York, NY   January 2016—August 2017

- Worked with various design and development teams to create consumer-facing websites and software that increased web traffic by up to 100%.
- Improved my programming skills through open source contributions, full stack web applications and ruby gems that were featured in **Ruby Weekly**.

RECENT PROJECTS

Wonder Chat
github.com/sunny-b/WonderChat
- A chat application that allows random users to chat with each other in private and distributed rooms. Also supports slash commands.
- **Live Demo:** https://wonderful-chat.herokuapp.com/
- **Stack:** Express, Node, Javascript, Socket.IO, Heroku

Mello
github.com/sunny-b/mello
- List application that allows user to create, delete, label, search, and reorganize lists and cards.
- **Live Demo:** https://trello-clone-sjb.herokuapp.com
- **Stack:** Express, Node, Backbone.js, Handlebars, Heroku
- **Rebuild using Rails/React:** https://github.com/sunny-b/reaction

EXTRACURRICULAR

Technical Blog Writer
December 2016 - Present
Currently wrote 16 articles about various software engineering topics with ~7000 views.

SKILLS & LANGUAGES

Back End: Node, Express, Ruby, Rails, PostgreSQL, RESTful APIs
Front End: Javascript, React/Redux, HTML/CSS
Other: WebRTC, Git, Linux, Distributed Systems, Heroku

EDUCATION

University of Washington
Seattle, WA. September 2009-December 2012.
B.S. in Oceanography. GPA: 3.8 – Cum Laude.