Eva Fineberg

evafineberg@gmail.com +49(0)1627717245

EDUCATION

- Queen Mary University of London London, U.K. Masters of Electrical Engineering in Sound and Music Computing, Center for Digital Music (C4DM)Sept. 2020 - Sept. 2021
- **Oberlin College & Conservatory** Bachelor of Arts in Computer Science and Economics, Concentration in Classical Piano Aug. 2012 - Dec. 2015

EXPERIENCE

Native Instruments

Senior Software Audio Engineer

- Engineer and develop key audio components for Kontakt to enable instrument builders and music production creators.
- Build, from scratch, and new UI scripting interface for VST and instrument builders.
- Publish extensive documentation and create an on-boarding hub and development forum in order to strengthen NI Kontakt community and ease usability.

Pluggd, Denise Audio

[Freelance Lead] Audio Engineer

- Collaborator and apprentice of developed VST plugins applications.
- Lead engineer for a WIP custom, framework independent, licensing system for plugin authentication and allows producers to independently distribute, patch, and work collaboratively on their plugins.
- Developed application and production services with a range of technologies including a GraphQL based Typescript application, LambdaOnEdge functions, and a Golang backend. Manage infrastructure stack across AWS and Heroku via terraform.

SoundCloud

Senior Production Engineer

- A combined Systems, Infrastructure, and SRE role focused on high availability, scalability, and an efficient realisation of developer, product, and business needs.
- Ran and maintained open source technologies at scale such as MySQL, Kubernetes, and Cassandra. Also provided self service tools for developers to interact with these technologies.
- Provided DNS solutions and managed a secure networking stack, including reliable DNSSRV solutions and multizone routing.
- Provided teams with architecture and engineering support, including running "Uptime Academy" for all engineers company wide.

SoundCloud

Media Streaming, Engineer

- Engineered audio streaming and transcoding micro-services to enable seemingly instant playback using C and C++ integrations with Go services, Kubernetes, and AWS to millions of daily users world wide.
- Rolled out HQ [AAC 256] audio streaming feature available to all SoundCloud Go+ subscribers.
- Scoped and rolled out to all users a high efficiency audio codec option for streaming [Opus/Ogg 64] in order to maintain quality while saving data.
- Optimized on the two most business critical KPIs: "Time to Play" and "Time to Transcode" by improving our transcoding and transmuxing performance, iterating on our CDN caching strategy, and implementing efficient segmented audio indexing.

The New York Times

Platform, Engineer

- Developed BFF pattern APIs for NYT's User Hub in Golang.
- Lead developer for all Cancel Subscription Online UserHub microservices including thew new Prometheus integration for analysis.
- Maintained and developed features for the back-end API servicing Content Delivery and Login and Registration systems.

February 2020 - November 2020

Berlin, DE

Berlin, DE

Jan 2019 - March 2020

Berlin. DE

New York, NY

February 2016 - April 2017

June 2017 - December 2018

Berlin, DE

Oberlin, OH

December 2021 - Present

Projects

- **SWOON**: Co-founder, curator, and resident DJ for a Berlin based electronic music collective called SWOON. In addition to curating the sonic tone of the mix series, I also co-produced all design, templating, and branding for the project using Photoshop, AfterEffects, and Illustrator.
- Clean Scene: Co-founder of Clean Scene, a climate action collective exploring alternative futures for the dance music community. Wrote and published a report of the impact of touring DJs in the electronic music scene on the environment.
- **WØMB Symposium**: Support staff and volunteer for the Symposium for Gender Equity in the Creative Industries.
- The Workshop on Forster: Active contributor at this womyn^{*} and non-binary art collective. In addition to having written the website, I help program audio workshops, maintain the studio space, and aid in sound engineering and recording for others in the community.
- Girls Who Code: Led a middle school Girls Who Code chapter at Renaissance Leadership Academy in Harlem, NYC.

GRANTS, ACCOLADES RESIDENCIES

• ADC Diversity Scholarship 2018: A sponsored trip and attendance to the Audio Developers Conference in London awarded to ten applicants.

Skills

- Human Languages: English [C2], German [B1]
- Computer Languages: Golang, C, C++, Python, bash, Ruby, Java, TypeScript, ReactJS, Clojure
- **Technologies**: Kubernetes, Docker, AWS, terraform, MySQL, Elasticsearch, ffmpeg, tensorflow, Prometheus, Chef, Puppet, Bind9, Consul, etcd, Unbound, Quagga, Traefik
- Operating Systems: Mac OS, Linux