Kate Moser

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TECHNICAL SKILLS

Languages - JavaScript, TypeScript, Python, SQL, HTML, CSS
Libraries and Frameworks - React, Express.js, Next.js, Django, Flask, jQuery, React Native
Testing and Methodologies - Jest, React Testing Library, Test Driven Development
Tools - VSCode, Git, Github,

SOFTWARE ENGINEER EXPERIENCE

Software Engineer, Team Lead   03/24-05/24
Stealth Startup   *San Francisco, California*
- Led the design and implementation of an MVP using Next.js, Tailwind, and PostgreSQL, guiding a team of 8 interns and collaborating with stakeholders to meet product requirements.
- Managed 40+ pull requests, with an emphasis on developing code base patterns and best practices.
- Oversaw the creation and assignment of 50+ issues, ensuring accurate scoping and prioritization to maintain project momentum.

Software Engineer and Instructor   05/22 – 06/24
Rithm School   *San Francisco, California*
- Led development efforts for 3 annual capstone software projects, conducting scrum-style stand-ups, pointing issues, and managing pull requests to ensure timely and high-quality deliveries.
- Spearheaded the migration of a large production system from Express to Flask, redesigning key features and expanding functionality to meet evolving project requirements.
- Collaborated on feature development and bug fixes for an in-production Django application, ensuring alignment with business objectives and improving overall system performance.
- Provided an average of 15 hours of in depth, detailed code reviews every week to students, both verbally in a live setting and in writing via comprehensive written feedback.
- Delivered high quality, interactive lectures on a variety of topics including testing, ORMs, REST best practices, and topics in data structures and algorithms.

ADDITIONAL WORK EXPERIENCE

Regional Trainer, South Japan   04/2018 – 04/2020
World Family, Disney World of English   *Fukuoka, Japan*
- **Onboarded, trained, and mentored** a team of 6 ESL teachers across multiple offices in South Japan, ensuring consistent educational standards and instructional quality.
- Designed and delivered **monthly professional development sessions**, both in-person and remotely, enhancing teacher skills and fostering continuous improvement.
- Created and **implemented new curriculum materials**, providing comprehensive training for teachers on delivering updated content to students.
- Developed a 28-item lesson evaluation rubric, successfully leading its adoption company-wide to standardize teacher assessments.
- Collaborated with other regional trainers to design and facilitate national onboarding and ongoing training programs for 30+ teachers, **driving educational consistency** across locations.
- Facilitated communication between Japanese-speaking and English-speaking staff, with an emphasis on cross-cultural understanding.

English Teacher   11/2015 – 04/2018
World Family, Disney World of English   *Fukuoka, Japan*

- Designed and delivered 7 original, detailed lesson plans each week, tailored to the core curriculum and engaging students aged 2–12 in dynamic, age-appropriate learning experiences.
- Provided in depth feedback to ~100 students each term, highlighting individual strengths and areas for improvement.

EDUCATION

Tufts University   2014
B.S. Computer Science   Medford, MA

TECHNICAL PROJECTS

A11y Ally | Accessibility Auditing App | Next.js, React, PostgreSQL
- Harnessed Greptile AI to audit github hub repositories for accessibility issues and create GitHub issues for each.
- **Optimized LLM queries**, ensuring reliable and accurate JSON outputs for accessibility audits.
- Implemented a Markdown editor to allow users to edit issue content in-app before posting to GitHub.

Markov Mashup | Poetry Generator | Flask, React, PostgreSQL
- Used a **customized Markov Chain algorithm** to generate original poems seeded by user-submitted materials
- Currently working on tweaking my algorithm so users can control the amount of randomization in their resulting poem; working out a way to combine single words and bigrams in a
- Built out a **featureful API** with an eye for future development of this project, with routes for authentication/user accounts, the ability to save and favorite poems, and an alpha version of a horoscope web scraper.
- Built a single page React front end with a type-writing animation component.

One Thing | Productivity App | Next.js, TypeScript, PostgreSQL, React Native
- A productivity app that aims to combat decision fatigue and feeling overwhelmed
- Designed a data model and auxiliary algorithms that will smartly pick and assign the next task a user should complete based on their previous patterns.
- Designed a dashboard using **Next.js, MUI components, and Tailwind**.
- Currently developing a **RESTful API** to aid in the development of a mobile version.