Dmitriy Kagno

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Work Experience:

Ecogy Energy

Software Engineer   *September 2021 - Present*

- Built scalable frontend UIs using React, Typescript and various component libraries.
- Built microservices and RESTful endpoints with serverless functions hosted on the cloud.
- Interfaced with AWS to manage all authentication, database and CI/CD related tasks.
- Wrote functional integration and unit tests using Ava with Cypress to handle E2E testing.
- Refactored legacy codebase to use Typescript, React Query and more modern technologies.
- Led meetings with product owners and design teams to plan features and release cycles.
- Onboarded new engineers, helped with their first tickets and reviewed their pull requests.

Mathnasium Learning Center

Lead Instructor   *September 2017 - Present*

- Taught elementary, middle, highschool and college level math to students of all ages.
- Standardized the systems necessary to create, update and maintain student curriculum.
- Incorporated and maintained proprietary online learning solutions during COVID response.

Projects:

Image OCR Translator

Utility to look up translations of foreign words from text located in images

- Use Google Translate API to serve translations of words extracted using OCR library.
- Web app with React frontend using Material UI and Node backend for API requests.
- Project Lead for team consisting of four members with issue / story tracking using Asana

Twenty Four Game

An accessible and unique way of gamifying simple arithmetic

- Enables users to endlessly practice arithmetic with random number generation
- Uses backtracking algorithm to ensure solutions are straightforward and open-ended

Education:

John Jay College of Criminal Justice

B.S in Computer Science and Information Security

Tools:

React, Typescript, Tailwind, Node, Serverless, MongoDB, AWS, Docker, Python, SQLite, Git, Fish, Arch