

Len Lester

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EXPERIENCE

Senior Software Engineer

Age of Learning - Glendale, CA, March 2018 - November 2022

- Led the implementation of AWS Neptune Graph database that optimized the adaptive learning engine used in two of the enterprise products for schools.
- Upgraded the internal tools front-end framework from AngularJS to Lit Web Components, cutting development significantly for 4 of the largest teams in the company.
- Leveraged JavaScript and Lit Web Components to implement a no-code form builder for ABCMouse. This reduced the time required to create activities by 50% and increased productivity for the teams.
- Contributing member of the Central Tech team that updated the company's end-to-end development process that leveraged JavaScript, PHP, MySQL, Docker, and AWS services such as CloudFormation, S3, DynamoDB, Neptune, EC2, and Lambda. This enabled teams to deliver products faster and with higher quality, resulting in a 25% increase in deployment speed and a 20% reduction in development time.

Software Engineer III

Age of Learning- Glendale, CA, June 2015 - July 2018

- Developed an AngularJS and Bootstrap tools framework that streamlined internal development processes for an internal team of 12 developers.
- Collaborated on a curriculum management tool using AngularJS, JavaScript front-end and PHP, and MySQL back-end that enabled ABCMouse to be used in more than 65,000 classrooms.
- Contributed to the development of tools for the Adventure Academy product using AngularJS, Bootstrap, PHP, and MySQL, resulting in a more efficient development process saving hours on manual deployment.

Software Engineer II

Age of Learning - Glendale, CA - April 2013 - June 2015

- Main contributor in the migration of ABCMouse's site from Flash/ActionScript to HTML/JavaScript in 2013 to capture the mobile market and enable a better user experience, accelerating growth of users and activities to 1 Billion in 2015.
- Designed and developed a tool using Flash/ActionScript that converted over 1000 of Flash animations to JSON, saving time and reducing development efforts for the ABCMouse's HTML/JavaScript site.
- Created a custom JavaScript library to read and play the converted animations, allowing for animators to create over 200 new high-quality animated activities and games for the site.

Flash Developer

Age of Learning - Glendale, CA - October 2010 - April 2013

- Contributed to the development of ABCMouse's first iteration of the Admin System, which empowered users to create items and activities using JavaScript front-end PHP, and MySQL back-end allowing for a faster release of new content and a better user experience.
- Wrote a tool to allow designers to build and maintain the popular Learning Path using Flash and PHP enabling kids to play the over 2000 activities at launch.
- Designed and implemented key features of ABCMouse's meta-game, such as ticket-based purchases of digital items like clothes, room decor, and pet items for avatars including fish tanks and hamster cages. The hamster cage became the most visited game on the site.

PROJECTS

Doopmarketeer [link](#) | [github](#)

- Created an app using NextJS, Typescript, Redux Toolkit and the ChakraUI component library to collect information on the Doodles Wearables Ecosystem.
- Utilizing EthersJS and GraphQL to efficiently extract data from various sources in a NodeJS serverless API.

QR Code Wallpaper Generator [link](#) | [github](#)

- Wrote a QR Code Generator app using NextJS, Typescript, TailwindCSS, and the qr-code-styling library, enabling users to create custom phone wallpapers using the Doodles color palette that link to their website or social media.

Fohmo [link](#) | [github](#)

- Built a ReactJS and EthersJS website that allows users to monitor their balances with OlympusDAO and various OHM forks that launched in 2021.
- Successfully tracked over 70 forks across 11 different chains, providing users with real-time updates on their balances and transactions.
- Achieved a high level of user engagement, with over 6,000 daily active users in 2021.

EDUCATION

Bachelor of Arts in Linguistics

California State University, Chico, 2009

SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, PHP, MySQL, Gremlin

Frameworks and Libraries: Next.js, React, Redux, Lit, Web Components, AngularJS, Bootstrap, Tailwind, ChakraUI, EthersJS, Node.js, Express, Web Sockets, DynamoDB, MongoDB, Neptune Graph DB

Tools and Platforms: Git, Docker, Webpack, Vite, AWS Cloudformation, AWS Neptune, Jenkins, Elasticsearch