

John Jaeyoung Lee

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Pomona, CA

[Portfolio](#)

[LinkedIn](#)

[GitHub](#)

Skills

JavaScript, React + Redux, Node.js, HTML5 + CSS3, PostgreSQL, Python, Django, Flask, SQLAlchemy

Trilingual - English, Spanish, Korean

Experience

Freelance Full Stack Developer | Independent Business - StephyX Nails | October 2023 - Present

- Utilized understanding of **class-based Python** design to customize Django's built-in admin site to suit the client's unique needs.
- Developed a **mobile-friendly** layout using the **Tailwind** CSS framework for hastened development.
- Integrated **reCAPTCHA** and **CSRF protection** to protect the client from bad actors and malicious requests.
- Implemented access to **Instagram's** Basic Display **API** and an **AWS S3** Bucket to ease client's workflow.

Jr. Instructional Assistant → **Cohort Instructional Assistant** | App Academy | March 2022 - March 2023

- Promoted** from individual contributor to management role within a year of initial onboarding.
- Guided 350+ Python developers as they gained essential domain knowledge, **interpreting, troubleshooting,** and **debugging code** for dozens of unique **full stack web applications**.
- Managed teams of early stage developers, drawing from **Scrum** and **Agile** principles to lead **stand-ups** whilst testing for bugs, ensuring standards of quality, tracking progress, and resolving interpersonal conflict.
- Developed 25+ distinct workshops on a wide range of technical topics including **state and database normalization**, **DRY** principles in accordance with the **SRP**, and **data structures and algorithms**.
- Led a cohort of 100+ future engineers in developing a culture of kindness, vulnerability, and respect.

Projects

Justo Chess

[live site](#)

JavaScript, Python, React, SQLAlchemy, Flask, Socket.IO, PostgreSQL

A minimalistic chess app with live play. Get started playing quickly with a friend.

- Utilized **Socket.IO** packages for both React and Flask allowing for quick, responsive **live play** between users sharing a match.
- Memoized** individual chess board "Square" components to **reduce re-renders** of individual squares by two-thirds, increasing rendering speed.
- Designed a back-end data flow that converts the 8 x 8 game state matrix into a string and back, allowing for **smooth communication** between the user interface and the SQL database.

Alter Self

[live site](#)

JavaScript, Python, React / Redux, Styled Components, SQLAlchemy, Flask, PostgreSQL

A stylish single-page Dungeons and Dragons character manager.

- Integrated an AWS S3 bucket to allow users to directly upload images for character sheets in order to offload strain from the application's database.
- Implemented auto-save on data change through use of **React's** useEffect hook and **Redux** with debouncing to prevent rapid, successive database requests for greater efficiency.
- Engineered a server in Python in accordance with **RESTful** principles, gaining experience in how such an approach makes for better accessibility and interoperability.

Education

App Academy | Remote

1000-hour immersive software development bootcamp with <3% acceptance rate that emphasized **pair programming** and **Agile** workflow in acquisition of both front- and backend development tools.