

KEVIN BAIK

FULL STACK SOFTWARE ENGINEER

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LANGUAGES: JavaScript, TypeScript, Java, Python, HTML5, CSS3

DATABASES: PostgreSQL, MySQL, SQLite, SQLAlchemy

FRAMEWORKS/TOOLS: ReactJS, Redux, Node.js, Express.js, Sequelize, Flask, AWS (S3, Lambda, Amplify, EC2), Docker, JUnit

OTHER: Object-Oriented Programming, Pair Programming, Test-Driven Development, SCRUM Methodologies

PROJECT EXPERIENCE

Rishy >>

[GitHub](#) > [Live](#)

- Optimized user experience by developing over 20 React-based responsive interfaces, using modal popups strategically to reduce load times and enhance navigation.
- Designed and implemented PostgreSQL database schemas and developed Node.js server logic, ensuring scalable and robust full-stack performance.
- Constructed flexible RESTful APIs using Flask blueprints and decorators to simplify future feature integration.
- Integrated AWS S3 for cloud-based storage, enhancing user experience with secure and easy access to large files, like images and MP3s.

Petsy >>

[GitHub](#) > [Live](#)

- Assembled and led a team of 4 developers, employing Git for seamless collaboration, and ensured delivery of a high-quality, fully functioning application within a 1-week timeframe.
- Implemented a dynamic search bar with Flask and SQLAlchemy, boosting search efficiency and user experience.
- Designed Redux store for efficient state management, significantly improving front-end responsiveness and user experience.
- Independently engineered the shopping cart feature post-deployment, optimizing complex model relationships for diverse item types, improving checkout flow and user interface quality.

Don't Wreck My House >>

[GitHub](#)

- Engineered a layered object-oriented application, employing classes for data modeling, domain logic, and UI presentation, ensuring a clean separation of concerns for scalability.
- Employed test-driven development (TDD) with JUnit, including mock repositories, to ensure robust feature quality.
- Leveraged Spring annotations to streamline dependency injection and configuration.

WORK EXPERIENCE

Code The Dream (Volunteer) *Mentor* > *Remote*

February 2024 – Present

- Guide students in learning JavaScript, providing detailed code reviews, responding to queries, and conducting weekly one-on-one meetings to ensure a comprehensive understanding and steady progress in their learning journey.
- Facilitate bi-weekly student workshops, covering fundamental programming concepts.

Appletree Edu *English Second Language Teacher* > *Seoul, South Korea*

October 2020 – October 2022

- Developed and delivered interactive English lessons to non-native speakers, enhancing language acquisition and fluency for students aged 10-18 through tailored exercises, multimedia resources, and real-world application.
- Monitored student progress and provided individual feedback and additional support where necessary, leading to a documented average improvement of 20% in student language proficiency over each semester.

EDUCATION

App Academy >> *Java*

November 2023 - February 2024

App Academy >> *Full Stack Web Development*

May 2023 - October 2023

University of California, Irvine >> *Bachelor of Arts in Psychology*

June 2017 - June 2019