KEVIN BAIK
FULL STACK SOFTWARE ENGINEER

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LANGUAGES: JavaScript, TypeScript, Java, Python, SQL, HTML5, CSS3
DATABASES: PostgreSQL, SQLite
FRAMEWORKS: React, Redux, Node.js, Express.js, Sequelize, Flask, SQLAlchemy
TOOLS: AWS (S3, Lambda, Amplify, EC2), Docker, Websockets, Apache Maven, JUnit, Spring, Mocha, Alembic, Material UI
OTHER: Object-Oriented Programming, Functional Programming, Pair Programming, Test-Driven Development, Agile Project Development, Figma, dbdiagram

PROJECT EXPERIENCE

Rishy >>   **GitHub > Live**
- Orchestrated the full-stack development of the 'Rishy' application, meticulously designing and implementing backend database schemas using PostgreSQL, and developing server-side logic with Node.js to ensure robust and scalable performance.
- Implemented and sustained RESTful API endpoints, with an emphasis on a flexible codebase to enable straightforward incorporation of future feature expansions.
- Developed a dynamic playlist module, incorporating seamless audio file management and interactive modal pop-ups, which elevated the user interface by allowing real-time interaction without disrupting the user journey.
- Integrated AWS S3 to enable efficient cloud-based object storage, streamlining the user experience for uploading, storing, and accessing large data sets, such as images and MP3 files, directly from user devices while ensuring data security and integrity.

Petsy >>   **GitHub > Live**
- Collaborated on a shared code repository, utilizing Git workflow by separating feature branches to maintain modular and scalable code, ensuring each project component was developed in isolation for optimal functionality and integration.
- Engineered a dynamic search bar feature, integrating Flask for the backend web framework and employing SQLAlchemy for optimized database querying, resulting in enhanced search efficiency and user experience.
- Designed the Redux store structure to enable efficient state management, ensuring a predictable state container for application-wide use, which significantly enhanced the responsiveness and user experience of the front-end interface.
- Engaged in persistent pair programming sessions to support peer developers, identifying and resolving code issues, thereby improving team productivity and elevating codebase quality.

Don't Wreck My House >>   **GitHub**
- Leveraged object-oriented programming (OOP) principles and n-tier architecture to layer the application into well-structured, maintainable components, promoting code manageability, reusability, and scalability.
- Adhered to test-driven development (TDD) principles, employing JUnit to meticulously test each feature; this included creating mock repositories to isolate components and streamline the testing process.
- Employed Spring dependency injection with annotations to streamline development and improve testability.

WORK EXPERIENCE

Intercare Therapy   *Behavior Technician >* San Bernardino, CA   **October 2019 – January 2023**
- Cultivated keen observational abilities, enabling meticulous data collection and analysis for accurate assessment of client skill development and behavior modification objectives.
- Developed and refined communication skills by providing positive, insightful updates to parents and caregivers about client achievements and progress.

EDUCATION

App Academy >> Full Stack Software Engineering   **October 2023**
University of California, Irvine >> *Bachelor of Arts in Psychology*   **June 2019**