

Kevin Vong

Software Engineer

GitHub: [kdata12](#) | pvong1@asu.edu | 480-310-9205 | Mesa, Arizona 85202

LinkedIn: <https://www.linkedin.com/in/kevin-vong-785363251>

EDUCATION

Arizona State University, W. P. Carey School of Business
Bachelor of Science, Computer Information System

Expected May 2024

PROFESSIONAL EXPERIENCE

Software Engineering Intern | Refer Me LLC.

July 2023 - Present

Revolutionizing job referral & interview practice

Next.js | Javascript | Flask | Python

- Spearheaded the integration of **GPT-4 API**, dynamically translating text into **17 additional languages**, leading to a **~20% surge** in non-English user acquisition.
- Developed and **deployed 5 RESTful APIs** handling user authentication, data storage, and retrieval, supporting a rapidly growing platform of 10,000+ daily active users.
- Streamlined data fetches with eager loading using SQLAlchemy, **cutting down API response times by ~60%** and substantially mitigating N+1 query issues.
- Leveraged **Redis** for efficient task queuing among worker processes and instituted periodic **cron jobs**, automating core backend operations.

Backend Engineering Intern | SeaTec Consulting Inc.

May 2023 - July 2023

Digital customer process improvement

PostgreSQL | Lambda | S3 | Go | Java

- Deployed a pipeline using **Amazon CodeBuild** (CI) and **CodePipeline** (CD) with unit and integration tests, **reducing release failures by ~60%** and enhancing product reliability and team efficiency.
- Spearheaded the integration of **AWS Quicksight** BI dashboard with **Cloud Development Kit**, **Amazon RDS**, and **CloudFormation**, equipping over 70 analysts with an upgraded and dependable analytical tool.
- Successfully introduced a robust file import/export feature for Delta Airlines' system log analysis application using **Amazon S3**, enabling efficient data storage and retrieval.

PROJECTS

Language Buddy

Aug 2023 - Present

Fullstack language learning AI app

React | Typescript | Java | MySQL

- Developed a multilingual web application leveraging **React** and **Java Spring Boot**, enhancing language learning for users across Chinese, English, Spanish and several other languages.
- Orchestrated and streamlined development-to-production workflows by implementing **Docker containers**, reducing environment discrepancies and accelerating deployment times.
- Leveraged composite indexing in **MySQL** and in-depth execution plan analysis to achieve a **>93% decrease in query response times**, increasing application responsiveness and throughput.

WeWrap | [wewrap.app](#)

Jan 2023 - July 2023

Gift Pooling App

MySQL | Express | React | Node.js | Typescript

- Led a remote team of 6 utilizing best practices such as **Git** and Agile project planning methodologies, including code reviews, task breakdowns, sprint planning, and retros.
- Designed and implemented a collaborative gifting experience using **React** and **Node.js**, allowing users to coordinate and execute group gift pooling plans with an integrated voting system and streamlined plan execution capabilities.
- Designed and reviewed all core **MySQL** data models and flows for every application feature.

TECHNICAL SKILLS

Languages | JavaScript, Typescript, Go, Python, Java, HTML, CSS, Bash, C++

Technologies | Node.js, Express, ReactJS, NextJS, MongoDB, MySQL, RESTful API, GraphQL, S3, Lambda, CloudFormation, EC2, Cloud Development Kit

Tools | Git, Chrome Dev Tools, Docker, Postman, CI/CD