

# STEVEN KIM

Seattle, WA • +14259773980 • [stevkim.dev](https://stevkim.dev) • [stevnn.kkim@gmail.com](mailto:stevnn.kkim@gmail.com) • [linkedin.com/in/stevkim](https://linkedin.com/in/stevkim) • [github.com/in/stevkim](https://github.com/in/stevkim)

## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript

**Frontend:** React.js, Axios, Redux, React-router, TanStack, HTML5/CSS3, JavaScript library ecosystem

**Backend:** SQL, NoSQL, MongoDB, Sequelize, Mongoose, Supabase, Node.js, Express.js, Nginx, WebSockets

**Tools and Services:** Git, Git workflow, AWS(EC2), Docker, Jest, React Testing Library, Netlify, Webpack, Vite

**Architecture and Practices:** Component-Based Architecture, Stress Testing & Scalability, Entity Relationship Diagrams, Database scaling, REST APIs, Code Reviews, Agile, Unit Testing

## PROFESSIONAL EXPERIENCE

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### Hack Reactor | Support Software Engineer

Jan. 2024 – Present

- Assumed a pivotal role providing technical guidance for debugging and improving fullstack software
- Delivered technical advice during one-on-one office hours and workshops to new engineers, focusing on optimizing development processes through advice on workflows, system design, and design patterns
- Successfully taught the fundamental concepts of JavaScript and React, using clear, engaging methods for improved student understanding and practical application

### White Tiger Martial Arts, LLC | Head Instructor

Aug. 2013 – Jun. 2023

- Communicated intricate martial arts techniques and adapted to diverse learning styles to ensure clear comprehension and skill mastery to 400 students on a weekly basis
- Created personalized programs for athlete development, resulting in a 1<sup>st</sup> place win at the US Open Hanmadang National Competition

## RELEVANT PROJECTS

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### parKing | [github.com/stevkim/parKing](https://github.com/stevkim/parKing)

Jan. 2024

- Designed the state management system, reducing redundant API calls by 20% and augmenting state predictability
- Leveraged React-Router for navigation and redirects to improve operational efficiency for role-based access controls
- Enhanced user experience through polished interfaces using the DaisyUI library and a map view using Google's API
- Integrated Google OAuth protocols, resulting in a 20% reduction in authentication time and providing users with a convenient and secure login experience

### Atelier | [github.com/stevkim/atelier](https://github.com/stevkim/atelier)

Dec. 2023

- Optimized app efficiency with React memoization, optimizing re-renders by 30% and cutting page response times from 2 seconds to under 1 second
- Improved the performance of an infinite scroll feature by 98% via implementing a throttle function
- Horizontally scaled with NGINX as a load balancer, achieving 2000 requests per second with an average latency of 20ms and near 0% error rates
- Engineered an ETL algorithm to transform and import 20 million lines of CSV code as JSON in under 3 minutes

### WebCountry | [github.com/stevkim/webcountry](https://github.com/stevkim/webcountry)

Dec. 2023

- Developed a data synchronization module for automated reporting of item information to reduce user load times from 5 seconds to less than 1 second
- Maximized website performance via strategic code splitting, achieving a 100% Lighthouse rating
- Elevated user experience for visualizing data analysis with interactive line charts using a React charting library

### S & S | [github.com/stevkim/wedding](https://github.com/stevkim/wedding)

July 2023

- Deployed on Github pages to accommodate 100 guests as an interactive itinerary at a wedding, garnering positive feedback for its engaging and user-friendly design
- Centralized application state using the Context API, reducing prop drilling by 50%

## EDUCATION

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### Hack Reactor | Advanced Software Engineering Immersive Program

Oct. 2023 - Jan. 2024

- Over 900 hours of coding in JavaScript, React, Express, PostgreSQL, MongoDB, and MySQL in an Agile environment, which included solo coding, pair programming, and team collaboration

### Nucamp | Full Stack Web and Mobile Development Program

Aug. 2022 - Feb. 2023