**Youngjin Shin**  
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**SUMMARY**

* Gained hands-on experience in frontend development and UX/UI design, proficiently leveraging React, React Native, AWS, and Firebase with NoSQL databases for scalable data storage in various collaborative team projects to deliver highly user-friendly and responsive interfaces.
* Showcased expertise in executing end-to-end projects using Javascript, Typescript, React Native, and Kotlin ready to deliver immediate impact in a development role with comprehensive programming and practical experience.
* Optimized app performance in React Native significantly by employing memoization to reduce unnecessary re-renders and enhancing list rendering optimizations for improved responsiveness and efficiency.
* Demonstrated adaptability and a broad skill set in frontend and backend programming within cloud environments, specializing during my internship across diverse development projects.

**TECHNICAL SKILLS**

* Languages - JavaScript, TypeScript, C#, Kotlin, Python, Java, SQL, Html, and CSS
* Database - MySQL, MongoDB, and Firebase/Firestore
* Development - React, React-Native, Next.js, Vite, Flask, Docker, Git, Swagger, Figma, Zeplin, NPM, Yarn, Android Studio, AWS, and GCP

**WORK EXPERIENCES**

**Classum (**<https://www.classum.com>) | **Frontend Engineer, Internship** Jan 2023 - Jul 2023

* Contributed to the UI/UX frontend development of an app, which served as a private open communication-based community tool for organizations like companies and schools, serving over 11,000 clients in more than 32 countries.
* Utilized Metro as the bundler for app development due to its faster bundling times, efficient optimization, and seamless integration with React Native, offering distinct advantages over Webpack.
* Implemented a frontend-backend communication framework by integrating Axios REST API calls, harnessing its capabilities to simplify asynchronous operations and optimize data transfer using DTOs.
* Utilized Yarn for package management and version control and employed Fastlane to streamline and automate various tasks in the app development workflow, ensuring efficient testing, deployment, and release processes.
* Implemented ESLint, ES6, and TypeScript in React Native development to enhance code quality, enable static type checking, detect errors early, and improve code maintainability.
* Contributed to performance optimization efforts in a React-Native app, utilizing Recoil for efficient state management and addressing slowdown issues when rendering substantial data.
* Implemented diverse animations using React Native Reanimated, prioritizing app performance and achieving seamless animation transitions for an enhanced user experience.
* Used Bugsnag for error tracking and Flipper for debugging, including network checks and performance monitoring.
* Developed the notifications feature using deep linking and react-native navigations.

**PROJECTS**

**Task Terriers |** [**Github**](https://github.com/Task-Terriers)Sep 2023 - Dec 2023

* Contributed to developing and designing the UI/UX for a React Native (Expo) app, using TypeScript to create a specialized platform for Boston University students to exchange assistance in diverse fields.
* Implemented the Google OAuth sign-in feature by integrating the react-native-google-signin library.
* Utilized Firebase as a GCP cloud-hosted solution to leverage its NoSQL database capabilities, providing real-time synchronization, secure authentication, and efficient JSON-type document data storage and retrieval.
* Implemented AsyncStorage in the React Native app to provide persistent, asynchronous storage for user preferences and session data, enhancing the app's usability and user experience.
* Utilized AsyncStorage in the app to enable asynchronous storage to store and retrieve user preferences across app launches, ensuring maintaining state consistency and quick data access without relying on server calls.
* Implemented highly reusable view components that don’t require using a style sheet.
* Used Jira to manage sprints and implemented GitHub action(prettier) to check the code style on pull requests.

**TikiTaka |** [**Github**](https://github.com/SV22-TikiTaka) **|** [**Medium**](https://medium.com/@yjshin229/2022-summer-bootcamp-d1d2a0c13828)Sep 2022 - Oct 2022

* Developed both a website using React and a mobile app using React Native, specifically enabling user interaction through Instagram stories, while focusing on UI/UX development and deployment.
* Deployed the React Native application on cost-efficient Amazon Lightsail servers for server management and utilized S3 Buckets for robust image storage, boosting performance and scalability.
* Employed Docker to containerize the application, guaranteeing compatibility and reducing environment setup time, thus ensuring rapid onboarding and development across diverse computing platforms.
* Integrated backend and frontend services via REST APIs, utilizing Axios for its promise-based architecture that facilitated efficient data retrieval and improved error management, with Swagger enhancing API documentation.
* Implemented the Instagram login feature using the token-based social OAuth login API.
* Designed UI components and the project logo, showcasing a unique blend of technical and creative skills.

**Blossom |** [**Github**](https://github.com/SiliconValley22-Blossom) **|** [**Medium**](https://medium.com/@yjshin229/silicon-valley-summer22-bootcamp-colorize-your-photos-with-ai-blossom-9a46898d429b)Jul 2022 - Aug 2022

* Contributed to a React-based website for colorizing greyscale photos, focusing on frontend development and aiding in the AI learning process for enhanced image colorization.
* Integrated Amazon RDS (MySQL) for robust data management, leveraged EC2 instances for scalable front-end hosting and utilized S3 buckets for secure asset storage to enhance user experience in a React-based application.
* Developed a responsive website with React and implemented styled-components for styling in a React application, enabling dynamic CSS-in-JS rendering that facilitated theme customization and design consistency.
* Contributed to the project's visual identity by creating website designs and crafting the project logo with Figma.
* Enhanced frontend-backend integration with Axios REST API calls for streamlined asynchronous operations and improved responsiveness, complemented by Swagger for efficient API documentation and testing.
* Trained an AI model for picture colorization using Pytorch on Google Collaboratory. ([AI learning references](https://github.com/richzhang/colorization) )

**EDUCATION**

Boston University Jan 2020 - present

Major: Computer Science / Minor: Visual Arts

University of Massachusetts Lowell Jul 2022 - Aug 2022

Summer courses