Nicholas Heo
Software Engineer

- 5713837970
- LinkedIn
- nicholas.heo95@gmail.com
- Vienna, Virginia
- Github
- Portfolio

Technologies

JavaScript/TypeScript, React/React Native, Node, GraphQL, REST, SQL, NoSQL, AWS, Google Cloud Platform, Git, HTML, CSS, npm

PROFESSIONAL EXPERIENCE

Software Engineer   Nov '21 - Nov '23
Promoted to Software Engineer, Frontend

Dottid   Remote

- Optimized new integration stack for performance and loading speed, enhancing overall user satisfaction and development time - attracting 5 new customers on launch of MRI Integration.
- Guided and managed a 4-5 members of two different development teams for the user interface segment of the MRI integration project, overseeing all stages from design and development to deployment and quality assurance testing- increasing UX task success rate by 30%.
- Implemented frontend testing using Jest for existing React and Storybook projects - significantly reduced the incidence of bugs by 40%.
- Mentored incoming 2-3 juniors regarding company tech stack and mobile development, increasing our feature development by 50% within a month.
- Integrated one of the largest investment management software solutions into our website, earning the prestigious title of "MRI Software Partner of the Year" in 2023.
- Designed and optimized database interactions using Node.js with MySQL, ensuring data integrity and scalability.
- Played a key role in enhancing the API Design and underlying business logic, leading to a significant expansion of our GraphQL Schema by 60%.
- Wrote queries and mutations in GraphQL, a flexible and efficient query language for APIs. This enabled the seamless retrieval and manipulation of data. Extensive testing was conducted to ensure the accuracy and reliability of the GraphQL queries and mutations.
- Conducted code reviews, debugging, and performance optimization in Node.js applications, ensuring code quality, efficiency, and scalability.
- Utilized npm (Node Package Manager) to manage dependencies and integrate third-party modules, enhancing development productivity and code reusability.
- Boosted user experience & authentication by integrating Google Play & Firebase APIs, launching Dottid's debut Android app using Google Play API - attracting 12 more total mobile users.

Software Engineer - Contract   Nov '20 - Dec '22

private client - eCommerce   Remote/Ashburn, Virginia

- Automated product data scraping and image downloads from manufacturer websites using Playwright JS scripts, boosting sales efficiency by three folds.
- Spearheaded the development and deployment of a groundbreaking online product comparison tool, resulting in a remarkable 35% increase in client sales within the first quarter of implementation.
- Regularly assessed and adapted the application in response to market changes and competitive landscape, maintaining a proactive approach to capitalize on emerging opportunities.
- Crafted reusable and optimized code, leading to a 25% decrease in development duration and a 15% boost in team efficiency.
- Utilized React in conjunction with TypeScript for robust and statically-typed code, enhancing the maintainability and reliability of the updated application.
- Documented the project thoroughly, providing comprehensive guides and documentation for future maintenance and updates.

Software Engineer   Dec '20 - Sep '21

Shooter's Technology LLC   Manassas, Virginia

- Improved the mobile app by implementing Amplify to bolster iOS and Android backends, ensuring optimal functionality and scalability.
- Improved and generated custom components for AWS PubSub to manage CRUD transactions and communicate with EC2 instances, streamlining the process - increasing judge completion rate by 65%.
- Developed RESTful APIs using Node.js and Express framework, facilitating seamless communication between client-side and server-side applications.

EDUCATION

Bachelor's of Science, Biology   Aug '13 - May '17

Virginia Commonwealth University   Richmond, Virginia

Minor in Chemistry, SAT score: 2090

Summary

- Heightened software engineer on the challenges of crafting elegant code and solving complex problems. With a solid 3-year track record, I've earned the nickname 'Darwin' for my ability to rapidly adapt to new technologies while maintaining a professional approach. My motivation is fueled by an unending curiosity, consistently driving me to enhance and evolve in my role as a developer. **Available to relocate nationwide**