





NICHOLAS HEO

SOFTWARE ENGINEER

CONTACT

 (571)-383-7970
 nicholas.heo95@gmail.com
 <https://my-name-is-nheo.github.io/me/>
 Washington, DC

SKILLS

Full Stack Development
Mobile Development
Agile/Scrum Methodologies
Adaptability/Teamwork

EDUCATION

Bachelor of Science in Biology (B.S.)
Virginia Commonwealth University
2013-2017

SKILLS IN DEPTH

React	◆◆◆◆◆
React Native	◆◆◆◆◆
TypeScript	◆◆◆◆◆
GraphQL	◆◆◆◆◆
Node.js	◆◆◆◆◆
SQL	◆◆◆◆◆
Jira	◆◆◆◆◆
Figma	◆◆◆◆◆

PROFILE

I am a passionate and dedicated software developer with a strong desire to explore the ever-evolving landscape of technology. Over the years, I have honed my skills in React, Typescript, Node, and GraphQL, enabling me to contribute effectively to projects spanning the entire software stack. I thrive on the challenges of crafting elegant code and solving complex problems. I'm always driven by a relentless curiosity, constantly seeking to improve and grow in my role as a developer.

WORK EXPERIENCE

Staff Software Engineer

Dottid 06/2023 -11/2023

- Optimized entire stack for performance and loading speed, enhancing overall user satisfaction and development time.
- Designed and implemented the user interface (UI) for a substantial project using a modern tech stack, including React for frontend development, Recharts.js for data visualization, and Material-UI for user interface components. The focus was on creating an intuitive, visually appealing, and user-friendly interface.
- Played a pivotal role in refining the database model to align with the project's logic and data value types. This encompassed establishing and maintaining relationships between data entities and enforcing constraints that determined how data could be stored and accessed. This effort significantly contributed to data integrity and consistency.
- Created communication protocols and contracts between the MRI server microservice and consumer to facilitate effective and reliable interaction. These protocols prevented the duplication of existing resolvers and were implemented with Axios requests.
- Successfully 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.

Software Engineer





Dottid 11/2021 - 06/2023

- Assist and document development transition to an Apple-Silicon based workflow.
- Expanded our GraphQL API in size by double, contributing to API Design, as well as underlying business logic
- Lead scrum retrospectives once per month
- Boosted user experience & authentication by integrating Google Play & Firebase APIs, launching Dottid's debut Android app.
- Bolstered mobile security via MFA integration, and v6 migration in Firebase.
- Enhanced front-end codebase with TypeScript and GraphQL types, reducing bugs and saving development time.
- Stabilized and matured codebase with Jest testing, enabling comprehensive integration and end-to-end test suites.
- Performing code reviews to ensure consistency and quality.
- Mentored incoming Juniors regarding company tech stack and mobile development

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REFERENCES

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 vidroha126@hotmail.com

Andrew Thresher

 thresh3@me.com

WORK EXPERIENCE

Software Engineer

Shooter's Technology LLC

12/2020 - 07/2021

- Optimized apps for latest iOS and Android OS versions, improving user experience and compatibility
- Designed AWS Cloud Architecture using Amplify to support iOS and Android backends, achieving optimal functionality.
- Improved and generated custom components for AWS PubSub to manage CRUD transactions and communicate with EC2 instances, streamlining processes.
- Designed AWS Cloud Architecture using Amplify to support iOS and Android backends, achieving optimal functionality

Software Engineer, Contract

Private client - eCommerce

11/2020 - 12/2022

- Automated product data scraping and image downloads from manufacturer websites using Playwright JS script, boosting efficiency.
- Delivered customized online product tool for client to compare prices and shipping from different retailers (Amazon, Walmart, B&N) using Node, React, and Express
- 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.
- Achieved 100% code coverage by writing unit and functional tests with Jest and Playwright JS.
- Incorporated Material-UI as the UI toolkit to achieve a modern and visually appealing design, contributing to an intuitive user interface and positive user interactions.
- Demonstrated a keen understanding of market dynamics and user preferences, integrating these insights into the application's design and functionality to maximize sales potential.
- Regularly assessed and adapted the application in response to market changes and competitive landscape, maintaining a proactive approach to capitalize on emerging opportunities.
- Implemented Redux for state management, ensuring efficient data flow and a consistent application state throughout the user's interactions.
- Utilized React in conjunction with TypeScript for robust and statically-typed code, enhancing the maintainability and reliability of the application.
- Documented the project thoroughly, providing comprehensive guides and documentation for future maintenance and updates.

EDUCATION

Virginia Commonwealth University

Bachelor of Science, Biology (B.S.)

2013-2017