Nick Neely

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Objective

Aspiring to be a full-stack developer to leverage my extensive expertise in TypeScript, React, and front-end technologies, aiming to contribute innovative solutions and grow my skill set in a dynamic environment.

Work Experience

Software Engineer Intern, Lean Techniques, 9131 Northpark Dr, Urbandale, IA, 50131, June 2024 – Present

- Co-developed a TypeScript-based mock photos album API using AWS, implementing serverless architecture to ensure a consistent technical showcase experience, resulting in improved reliability.
- Created a demo for form builder libraries in React, TypeScript, and Vite to evaluate their implementation, culminating in a comprehensive analysis to aid the client in selecting their best option.
- Actively participated in mob/pair programming, daily standups, and code reviews, implementing Agile practices to resolve collaboration challenges, resulting in a 25% increase in team efficiency.
- Authored and updated project documentation based on feedback and project updates, improving communication clarity and documentation usability.

Digital Operations Specialist, Moore Hearing Clinic, 1317 N Court St, Ottumwa, IA, 52501, September 2015 – May 2024

- Developed a Python program to automate insurance calculations, leveraging simple algorithms to reduce processing time by 50% and minimize errors.
- Engineered a clinic management system using React and Node.js, resulting in 30% faster patient tracking and a 20% reduction in administrative overhead.
- Designed and implemented a Python-based payroll calculator that reduced payroll processing errors by 40%, through automated calculations, PDF timecard generation, and enhanced employee management functionalities.

Projects

Recipe Realm: Engineered a dynamic culinary platform facilitating recipe sharing and discovery.

- Developed using Flask for backend development and SQLite for database management, ensuring efficient data handling.
- Created a responsive UI with Bootstrap, enhancing user experience across devices.
- Implemented advanced user authentication securing personal data with hashed passwords.
- Enabled a dynamic rating system to foster community engagement through user ratings and feedback.

Crumbl Craver: a web application using Next.js and Supabase, showcasing a weekly rotation of Crumbl Cookie flavors with a user-friendly interface.

- Enabled real-time updates, leveraging Supabase's backend services, to ensure immediate dissemination of the latest flavor announcements.
- Integrated Supabase for backend services including authentication, database, storage, and real-time updates.
- Orchestrated a custom web scraper to harvest flavor details directly from Crumbl Cookie's official site, enhancing content accuracy.
- Crafted utility functions for efficient file management, image downloads, and optimizing data handling.

Skills

Software Development:
- Languages: JavaScript, TypeScript, Python, Java, C#, PHP
- Databases: SQL, MySQL, Postgres, SQLite, DynamoDB,
- Tools & Frameworks: AWS, Git, Flask, Agile, TDD, Selenium

Web Development:
- Front-end: React, Next.js, Blazor, Django, Spring Boot, Bootstrap, Tailwind, HTML, CSS,
- Deployment & Tools: Heroku, Node.js, Jest

Education

Indian Hills Community College, A.A.S., Computer Software Development, Ottumwa, Iowa, Expected August 2024
Iowa State University, Computer Science, Ames, Iowa, 2019 – 2021