Nathan Kirschner

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EDUCATION

Northeastern University, Boston, MA *Sept. 2020 - Present*
Khoury College of Computer Sciences *Expected May 2024*
Candidate for Bachelor of Science in Computer Science with Minor in Business Administration
GPA: 3.88 / 4.00 | **Dean's List** | **Teaching Assistant:** Object-Oriented Design (Fall 2021), Logic and Computation (Fall 2022)

COMPUTER KNOWLEDGE

Languages: Typescript, JavaScript, Java, Python, HTML, CSS, SQL
Tools and Frameworks: ReactJS, React Native, NodeJS, Git, AWS (EC2, Lambda, API Gateway, Step Functions), Jest

EXPERIENCE

Frontend Development Co-op | Flexcar, Boston, MA *Jan. 2023 – June 2023*
- Owned development of features in React Native app to allow users to refer other customers, verify their driver's license, and edit push notification settings
- Built cost comparison section of redesigned company homepage to demonstrate benefits of new pricing changes to customers
- Converted complex figma designs to ReactJS with high attention to detail while ensuring on time delivery for aggressive deadlines
- Developed a new user flow for upgrading legacy accounts with ReactJS and GraphQL
- Collaborated with departments such as UX and product to complete deliverables under tight deadlines
- Engaged in standups, refinements, and retrospectives to ensure a smooth agile process, offering and receiving frequent feedback

Software Development Co-op | Wood Mackenzie, Boston, MA *Jan. 2022 – June 2022*
- Implemented new workflow features across the company's web application to streamline client experiences
- Developed a pipeline to generate a new dataset that allows clients to analyze the risk associated with their suppliers and created a data panel and map to display new data
- Led three separate release processes, bringing in subject matter experts from development, DevOps, and product as needed to solve production issues/bugs
- Pair programmed with full-time engineers to plan, implement, and deliver new features and bug fixes using ReactJS and NodeJS
- Utilized AWS tools such as Lambdas, Step Functions, CloudWatch, and EC2, and completed 8-hour AWS Udemy course
- Communicated frequently with product owners and other developers about design decisions on an agile team
- Wrote several PostgreSQL and MySQL scripts to update permissions and change development and production databases
- Conducted interviews for future coops, reviewed resumes, and planned web development workshops and lectures for onboarding

PROJECTS

Rate My Site | ratemysite.xyz | ReactJS, NodeJS, MySQL, AWS (Lambda, RDS, API Gateway) *June 2022 – Aug. 2022*
- Built a website for developers to share their personal websites and receive feedback on their work
- Deployed a serverless backend using a variety of AWS services such as Lambda and API Gateway

Best Ball Majors | bestballmajors.com | ReactJS, NodeJS/Express, MySQL, AWS (EC2) *May 2021 – Feb. 2022*
- Created a fantasy golf website that allows over 30 users to view live scores, join leagues with friends, and create weekly rosters
- Designed frontend UI mockups, implemented a ReactJS frontend, and created a REST API using NodeJS and Express
- Deployed entire stack on an EC2, set up Nginx server and SSL certificate, and created CloudWatch alarms to monitor reachability

PseudoNote | devpost.com | ReactJS *Feb. 2022*
- Competed in the HackBeanpot Hackathon to make a note-taking website which allows switching between text and code formatting
- Built ReactJS app in 48 hours with a partner and presented the final product and process to a panel of judges

ACTIVITIES AND INTERESTS

Tech Lead | Code4Community | Northeastern University, Boston, MA *Sept. 2022 – Present*
- Led weekly standups, created tickets and delegated work, reviewed code, and assisted team members in completing project goals
- Built web applications for organizations such as This Star Won't Go Out and Hands Across the Sea
- Developed a REST API in NodeJS with Typescript and integrated endpoints into ReactJS frontend
- Prepared AWS QLDB for HIPPA compliance and AWS SAM for a serverless backend

Interests: Skiing, Pickup/Intramural Basketball, Watching Heist Movies, Discovering New Music