Jonathan Zybert

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Work Experience
Amazon Robotics | Boston, MA

Front-End Engineer II   Oct 2022 - Present
- Develop React TypeScript application for Amazon operations teams providing real-time problem prioritization in a map-based view using AWS AppSync and AWS SNS
- Architect AWS AppSync API to scale globally for 1500 requests/minute and 300-400 daily users with GraphQL schema used across multiple applications
- Integrate with existing APIs to pull hardware state using AWS Lambda and consume AWS SNS events to utilize AppSync mutations/subscriptions via Apollo GraphQL
- Utilize Sketch and Figma to design robust user experience to consolidate data shown in 10 existing dashboards into one simplified view
- Set team standards for front-end development, linting, common component libraries, web-based error handling, and alarm/user metrics

Software Development Engineer   May 2020 - Oct 2022
- Designed and implemented plug-in diagnostic tool for hardware maintenance in a React TypeScript, Node, and Electron application used by 2000+ engineers
- Set up authentication flow using OAuth 2.0 with AWS Cognito and AWS Amplify
- Implemented continuous release build and deployment pipeline using AWS CodePipeline and AWS CodeBuild deploying Electron executable to S3 buckets

Accion Systems | Boston, MA

Software Engineering Co-op   Jan 2018 - Jun 2018
- Created web-based GUI in Python, HTML, CSS, and JavaScript to interface with satellite propulsion firmware for internal testing
- Graphed real-time telemetry data sent via UART, enabled control system functions, and logged metrics for playback

Education
Northeastern University | Boston, MA   Sept 2015 - May 2020
Bachelor of Science in Computer Science
Honors: 3.697/4.0 GPA, Dean's List, Excellence Scholarship, Graduated *cum laude*

Computer Knowledge
Languages: TypeScript | JavaScript | Java | HTML | CSS | GraphQL | Python | SQL
Frameworks: React | Redux | Electron | Node | AWS CDK | Dagger | jest | JUnit
Software: Apollo GraphQL | Git | Sketch | Figma | webpack | npm | eslint | IntelliJ
AWS Technology: AppSync | Lambda | SNS | S3 | DynamoDB | CloudFront | Route53

Interests
Hiking, scratch art, chess, space exploration, and D&D