Jack Blanc

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Education

Northeastern University Boston, MA   Sept. 2017 - Present
Bachelor of Science in Computer Science   *Graduating April 2022*
Graduate Coursework: Algorithms, Foundations of Artificial Intelligence
Undergraduate Coursework: Object-Oriented Design, Machine Learning,
Computer Systems, Cybersecurity, Discrete Structures, Database Design
Honors/Awards: 3.5/4.0 GPA, Dean's List Fall 2017, Fall 2018, Spring 2020

Experience

Multiply Labs San Francisco, CA   May 2021 - Present
Software Engineer Co-op

- One of the first software hires, tasked with bringing the company's published research to market

Teikametrics Boston, MA   July 2020 - December 2020
Software Engineer Co-op

- Key fullstack contributor on user model rewrite in SaaS platform
- Lead frontend developer, architected new user experiences using Redux for state management in TypeScript, React, and Rails client
- Built Kafka message consumers and Flask API endpoints in new Python microservice to house next generation user model
- Worked effectively with design team to build pixel-perfect, component-based user interfaces using React, Storybook, and CSS

Wayfair Boston, MA   July 2019 - April 2020
Software Engineer Co-op, Software Engineer I (Part-Time)

- Lead architect of full-stack UI/UX for purchasing assembly services and warranties using React, Javascript, GraphQL, PHP, and SQL, processing $4M in annual revenue
- Wrote and shared cross-team design documents for future development to schedule furniture assembly during checkout, integrate with additional suppliers, and expand to native mobile apps
- Promptly fixed high-severity bugs with cross-team impact as rotational on-call engineer

Code4Community (C4C) Boston, MA   May 2019 - Present
Co-Founder, Director of Engineering

- Co-founded Northeastern club to develop applications for nonprofits
- Communicated effectively with nonprofit clients and internal product managers to translate project requirements into actionable milestones
- Constructed continuous integration pipelines and cloud deployment for projects using Travis CI, Docker, and Amazon Web Services
- Taught three workshops on software testing, cybersecurity, and technical interview preparation for over 60 people each

Technical Skills

Languages: TypeScript, JavaScript, Python, Java, PostgreSQL, C, Ruby, Scala

Frameworks: React, Redux, Vert.X, Vue, Flask, Rails, Storybook, Axios

Software: AWS (S3, Elastic Beanstalk, Amplify, Route53), Travis CI, Git, GitHub, Stripe, IntelliJ, Jira, Docker, Heroku

Projects

Frontend Scaffold
React, Redux, TypeScript
Template repository for all Code4Community application frontends. Includes modular Redux thunks, actions, and reducers for managing user authentication using access and refresh JSON web tokens.

Hands Across The Sea
React, Java, PostgreSQL
Data collection and visualization tool for nonprofit supporting child literacy in Eastern Carribean

Lucy's Love Bus
React, Java, PostgreSQL
Event registration management system for a nonprofit supporting children with terminal illnesses

Speak for the Trees
React, Java, PostgreSQL
Block reservation system for Speak for the Trees, a nonprofit collecting data on trees in Boston

Dash
React, Redux, Firebase
To-do list for students with grade and GPA reporting, actively used by one person