

Jack Blanc

Available May - August 2021
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Education

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

Experience

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

- Key contributor on user model rewrite supporting the 2nd major release of SaaS ecommerce optimization product with multi-channel integration, consisting of React client, Scala API, Python microservice
- Collaborating closely with designers to develop UI components & new user features using React, Typescript, Redux, CSS, and Storybook
- Retiring Ruby on Rails tech debt by writing performant Scala API routes to replace ActiveRecord ORM usage

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
- Monitored health of integrations as rotational on-call engineer, promptly fixing high-severity bugs with cross-team impact

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

- Co-founded Northeastern club to develop applications for nonprofits
- Communicated effectively with nonprofit clients and internal product managers to translate project requirements into clear, actionable tickets for 34 developers and 3 designers
- Established Agile workflows for collaboration between development, product, and design, significantly improving team efficiency
- 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, Java, Scala, JavaScript, PostgreSQL, Python, Ruby on Rails, C

Frameworks: React, Vert.X, Vue, Redux, Jest, Storybook, Axios, Kafka

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

Projects

Lucy's Love Bus
Vue, Java Vert.X, PostgreSQL
Code4Community Application
Event registration management system for a nonprofit supporting children with terminal illnesses. Developed integration with Stripe's Checkout API to process payments.

Speak for the Trees
Vue, Java Vert.X, PostgreSQL
Code4Community Application
Block reservation system for Speak for the Trees, a nonprofit collecting data on trees in Boston. Rearchitected critical technical debt to improve the robustness of the API by removing a parallel data structure.

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