Colin Willoughby
Senior Software Engineer

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Experience

Senior Software Engineer - Front End
HubSpot - Growth | 2019 - Present

Lead the planning and development of several large product launches on HubSpot's pricing page using JavaScript, React, and Redux, allowing customers to configure and purchase our new products directly through our website. Coordinated with multiple stakeholders to gather requirements, scope development, and create a plan for implementing each launch.

Planned and implemented A/B testing experiments that allowed us to measure the impact of a change to our pricing page. Used the data to drive increases in customer engagement and business revenue.

Lead a project to overhaul how our pricing page gathers product and pricing data, working with our backend team to create endpoints that allow us to remove duplicated data on the front-end and streamline future product updates.

Front End Software Engineer
Comcast – Network Platform | 2019

Introduced a new dashboard for monitoring the status of backbone router deployments, aggregating both user provided and live network data into one interface that allows network engineers to more easily track progress and detect issues with router launches. Worked with modern technologies including React, Typescript, JS ES6, NodeJS, and Cypress.

Software Engineer Intern
Akamai – Network Systems | Summer 2018

Created an application to allow network systems employees with limited database experience to easily verify specific fields in their deployment plans. Implemented an interactive query builder from the ground up using React and GraphQL.

Full Stack Intern
Wakefly | Summer 2017

Developed full websites from scratch to allow clients to promote their brand and sell products online.

Web Developer Intern
Ironside Group | Summer 2016

Enhanced the UI of Ironside's e-commerce platform using PHP and JavaScript, adding a streamlined checkout process as well as analytics to track customer behavior on the site.

Skills

Languages

JavaScript (ES6), HTML5, CSS3, TypeScript, Java, Python, C#, SCSS, SQL, PHP

Technologies

React, Redux, Selenium, Cypress, Django, Bootstrap, GSAP, Vue, Webpack

Development Environments

WebStorm, IntelliJ, VS Code, Atom, XCode

Utilities / Tools

Git, GitHub, BitBucket, Gimp, Photoshop, Illustrator, Adobe X.D.

Education

Worcester Polytechnic Institute
B.S. Computer Science '18 – High Distinction

Related Coursework: Software Security, Machine Learning, Artificial Intelligence, Object Oriented Design, Algorithms, Database Systems, Advanced Computer Networks, Operating Systems

Personal

WPI Ultimate Frisbee – President

President of a club sport with over 200 members, coordinated with the athletics department to plan tournaments and practices.