

# Jacob Alspaw

## Senior Front-End Engineer

*Versatile, creative, and motivated software engineer with 5 years of industry experience as a full-stack developer.*

- **SITE** | [jacob-alspaw.com](http://jacob-alspaw.com)
- **PHONE** | 636.699.73344
- **EMAIL** | [dev@jacob-alspaw.com](mailto:dev@jacob-alspaw.com)
- **LOCATION** | Littleton, CO

## SKILLS

- Self-motivated, enthusiastic forward-thinker
- Develops effective relationships to foster collaboration between departments and build good client relationships
- Drives projects from concept to launch to meet deadlines and customer expectations

## SOFTWARE

- **LANGUAGES** | JavaScript, TypeScript, Java, C#, Swift, C++, SQL, NoSQL, HTML5, CSS3, GraphQL, MATLAB, R
- **TECHNOLOGIES** | React, Angular, jQuery, Dojo Toolkit, Node.js, Apollo GraphQL, GraphQL Shield, Express, ESLint, Webpack, Hibernate ORM, MongoDB, SQL Server, .NET, Git, Ant, Yarn, npm, Adobe Photoshop, IcoMoon
- **DEVELOPMENT PRACTICES** | Agile, Scrum, DevOps, CI/CD, TDD
- **SERVICES** | GitHub, Jira, Jenkins, Salesforce, SonarQube

## EXPERIENCE

### Senior Front-End & Full-Stack Developer | Jan. 2021 – Present

#### IBM UrbanCode (Velocity product)

- Transferred to our company's flagship product, Velocity, after solid performance on Deploy product.
- Acts as the senior front-end consultant to the project manager of Velocity product.
- Ensures the correct content, product assortments, and UI functionality is developed, tested, and validated against business expectations before commercial release.
- Solves complex design problems to maximize user experience and product efficiency.
- Identified and fixed various performance traps, resulting in web pages rendering up to 125x faster.
- Serves as client advocate and L3 support for international team to meet SLA that impacts millions in investments.

### Front-End Lead & Full-Stack Developer | May 2019 – Jan. 2021

#### HCL Launch, IBM UrbanCode (Deploy product)

- Manages the front-end development team responsible for producing, maintaining, and modifying front-end web code for two major DevOps software products.
- Responsible for final approval of code review processes; privileges to merge code into master branch for release.
- Reduced known UI defects in backlog by 90% in less than 10 months to improve customer confidence in product; conducted extensive UI/UX review to identify new opportunities for improvements.
- Redesigned core feature pages to remove legacy code, meet design guidelines, and ensure robustness of the UI.

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**dev@jacob-alspaw.com**

- Led technical and UX design reviews.
- Introduced ESLint linter into our build steps to ensure style guidelines and code standards are met.

**Software Engineer Intern | May 2016 – Aug. 2018**

**Matrix Pointe Blank Solutions**

- Developed an enterprise suite of web apps that streamlines the justice process by integrating law enforcement agencies, prosecutors, courts, and defense attorneys in 50+ counties across Ohio.
- Routinely performed full-stack feature development and system maintenance using C#, SQL, ASP.NET MVC, HTML5, CSS3, JavaScript, Typescript, jQuery, and KnockoutJS.
- Maintained server and client side rendering systems, code ownership paradigms, automated deployment systems, version control systems such as Git and Mercurial Hg, and mass integration/unit testing.

**Project Founder & Lead Engineer | Aug. 2018 – May 2019**

**CWRUded**

- Designed and developed a data-driven web service (NodeJS, MongoDB, React) and iOS mobile app that computed and conveyed real-time “busyness” metrics for various locations around campus.
- Solution leveraged address resolution protocol (ARP) and Cisco Prime Infrastructure API that manages CWRU wireless network to expose and aggregate unique active clients connected to wireless access points throughout campus.
- Planned and led meetings with campus deans, network admins, and IT marketing team to deliver service to students.

**Project Manager & Lead Developer | Apr. 2015 – Feb. 2016**

**Lygent**

- Served as project manager and lead developer of a novel vision screening tool (iStrab™) intended for the measurement of strabismus disorder in children. Project was submitted for FDA approval.
- Awarded \$25,000 grant from the Innovation Fund to continue development of the iStrab™ diagnostic equipment.

**Project Manager & Front-End Lead | Aug. 2018 – Dec. 2018**

**Synchrony (Senior Project)**

- Developed a synchronized streaming service that enhances user experience through shared playlist collaboration and discovery. Spotify implemented the same features within its own mobile app roughly one year later.
- Awarded academic honors in Spring of 2019 for best senior project of the year in the electrical engineering and computer science departments.

**EDUCATION**

**Computer Science: Case Western Reserve University**

**Bachelor of Science (2019)**

**Focus in Software Engineering**

- Graduated Cum Laude; 3.634 GPA