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| Jacob ALSPAW Full-Stack Software Engineer Versatile and motivated software engineer with 7 years of experience in industry as a full-stack developer. Seeking position that will use my engineering / design skills to add significant creativity, talent, and professional service to company ventures. | dev@jacob-alspaw.com  (636) 699-7344  Littleton, Colorado  jacob-alspaw.com  linkedin.com/in/jacob-alspaw |  |

# Experience

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| JANUARY 2022 – PRESENTSENIOR Front-End DEVELOPER & SATELLITE OPERATOR, Loft Orbital  * Works with a diverse and talented team of Engineers in Europe and the United States to help build the next missions and apps to test and pilot spacecraft * Demonstrates in-depth knowledge of core web/browser concepts, and other web development/testing/production tools using Vue.js (2&3), TypeScript, GraphQL, Apollo Client, Webpack, and Vite * Introduced new patterns for backlog management, Jira ticket templating, Gitlab merge request templating, code linting, and code formatting to increase developer productivity * Pilots and controls satellites in orbit after completing satellite pilot training and certification * Routinely engages in satellite operations to ensure satellites remain performant  May 2019 – JANUARY 2022Front-End Lead & FULL-Stack Software Engineer, IBM UrbanCode, HCL software  * Manages the efforts of the front-end development team responsible for producing, maintaining, and modifying web front-end code for two major DevOps software product offerings through IBM and HCL Software * Ensures that correct content, product assortments, and UI functionality is developed, tested, scheduled, and validated against business expectations before it is released to clients * Solves complex design problems to maximize user experience through collaboration with design teams * Identified and fixed various performance traps that resulted in web pages rendering up to 125x faster * Reduced known UI defects in product backlog by over 90% in less than 10 months to improve client relations * Received the highest form of accreditation, distinguished, during all performance reviews  May 2019 – JANUARY 2022Client advocate & l3 support, IBM UrbanCode  * Collaborated as part of an international support team with IBM engineers to maintain company relations and meet SLA on issues that impact millions of dollars in financial investments * Maintained personal relationships with high-profile customer accounts that need a dedicated advocate for their issues * Identified a variety of issues that customers faced such as Java JRE bugs, network connectivity issues, licensing issues, product defects, and more * Helped customers devise and enact plans for upgrading our product across multiple testing environments to ensure integrity of upgrade processes and customer data |
| May 2016 – august 2018software engineer intern, pointE blank solutions  * Developed an enterprise suite of web applications that streamlines the justice process and integrates law enforcement agencies, prosecutors, courts and defense attorneys in fifty plus counties across Ohio * Routinely performed full-stack feature development and system maintenance using C#, SQL Server databases, .NET, HTML5, CSS3, JavaScript, Typescript, jQuery, both server-side and client-side rendering systems, code ownership paradigms, automated deployment systems, version control systems such as Git, and mass integration / unit testing |
| august 2018 – May 2019 **PROJECT FOUNDER & LEAD ENGINEER,** CWRUded   * Designed and developed a data-driven web service (NodeJS, MongoDB, React), and iOS mobile application with senior university faculty 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 lead meetings with campus deans, network admins, and IT marketing team to bring service to students |
| April 2015 – febuary 2016Project manager & Lead Developer, lygent  * Served as project manager and lead developer of a novel vision screening tool (iStrab™) intended for the measurement of strabismus in children, a treatable disorder in which the eyes become misaligned * Awarded $25,000 grant from the Innovation Fund to continue development of the iStrab™ diagnostic equipment * Project is closely associated with University Hospital’s eye clinic and CWRU, and was pending FDA clearance in 2016 |
| AUGUST 2018 – DECEMBER 2018Project manager & FRONT-END LEAD, Synchrony (capstone project)  * Developed a synchronized streaming service that enhances user experience through shared playlist collaboration and discovery. Spotify implemented the same features roughly a year after our project was acknowledged and published * Awarded academic honors in Spring of 2019 for the year’s most outstanding capstone project in electrical engineering and computer science departments  AUGUST 2016 – MAY 2019TEACHING ASSISTANT & PEER TUTOR, Case western reserve university  * Reinforced course work during tutoring sessions and recitations to boost students’ academic performance * Customized instructional approaches to meet the academic needs of diverse clients across a variety of courses * Collaborated with faculty members to ensure lesson plans addressed students’ strengths/weaknesses * Graded student assignments, quizzes, and tests. Kept scores updated in university database |

# Education

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| May 2019B.S. in Computer Science, case western reserve universityDegree Path: B.S. in Computer Science with a focus in Software EngineeringMajor GPA: 3.634 / 4.0Relevant coursework: object-oriented programming, systems programming, algorithms, databases, systems security and networks, discrete mathematics, data structures, software design techniques and craftmanship, mobile application development, programming language concepts, team organization and project management |

# Technical Skills personal skills

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| JavaScript, TypeScript, Java, C#, Swift, C++, SQL, NoSQL,  HTML, CSS, React, Vue, Angular, GraphQL, Apollo, MATLAB,  Node, .NET, Webpack, Vite, Git, Yarn, npm, Photoshop,  Jira, Jenkins, SalesForce, Agile, Scrum, DevOps, CI/CD, TDD | * Strong work ethic * Dependable * Positive attitude * Team oriented | * Self-motivated * Flexible * Forward thinker * Effective communicator |