

Cedar Rapids, 52402

## SHREYAS BHOSALE

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### PROFESSIONAL SUMMARY

- Senior Software Engineer with 5+ years of experience delivering real-time, scalable web and mobile applications for aviation and enterprise sectors.
- Proven track record of leading the development of cloud-native and connected cockpit solutions for flight operations, with experience in Python, Swift, and Azure and AWS.
- Passionate about aviation safety and efficiency, with experience mentoring engineers, driving Agile DevOps culture, and collaborating across global teams to build resilient, user-focused systems, productive software development in all phases of SDLC

### EDUCATION

<b>Master of Science (Computer Engineering)</b>	<b>California State University, Fullerton</b>	<b>May 2018</b>
• Courses: Software Measurement, Data Mining & Pattern Recognition, Web Development, Modern ReactJS with Redux		
<b>Bachelor of Engineering</b>	<b>University of Pune, Maharashtra, India</b>	<b>May 2014</b>
• Courses: Programming Languages, Data Structures, Object Oriented Design (OOD), Computer Architecture, DBMS		

### SKILLS

<b>Programming Language:</b> Python, Objective-C, Swift, SQL, Java	<b>Frameworks:</b> NodeJS, Angular, Ionic, ReactJS & Redux, Flutter
<b>Web:</b> AJAX, XML/JSON, HTML5, CSS, SASS, Grunt, Gulp, JavaScript, VBScript, Bootstrap, ES6, Typescript, Flask, RESTful APIs (Web)	<b>Tools:</b> Git, Bitbucket, Docker, Adobe Photoshop, Selenium, Postman, Jira, Azure-DevOps, Azure Services, AWS, GitLab
<b>Application Server:</b> Apache Tomcat, Nginx	<b>Database:</b> MySQL, MS SQL, MongoDB, IBM DB2
<b>Methodologies:</b> Agile, CI/CD, Scrum, Test Driven Development (TDD)	<b>Operating systems:</b> Windows, Linux, Ubuntu, MacOS, z/OS

### WORK EXPERIENCE

<b>Senior Software Engineer</b>	<b>Rockwell Collins Inc, Cedar Rapids, IA</b>	<b>June 2019-Present</b>
<ul style="list-style-type: none"><li>Working on server-side updates and technology integration of a movie streaming application</li><li>Design new controller application for interfacing with the product remotely from an Android/iOS device using Java and Objective-C</li><li>Develop multiple responsive web applications using HTML5, CSS3, AngularJS, ReactJS and frameworks like Angular, Ionic and Node.js</li><li>Created DRM-protected movie streaming apps with Java and Objective-C for in-flight entertainment systems.</li><li>Implemented CI/CD pipelines using Azure DevOps, reducing release cycle times by 40%.</li><li>Led the development of <b>connected cockpit solutions</b>, including native iOS (Swift UI) and Android apps for pilots to manage flight plans, databases, and maintenance logs.</li><li>Built and integrated real-time data transfer over BLE, Wi-Fi, and custom IMS protocols to support in-flight operations databases. speech-guided Safe to Land workflows using voice recognition.</li><li>Working in an Agile team, mentoring software engineers regarding standard coding practices, design principles and SDLC best practices</li></ul>		
<b>Software Engineer</b>	<b>SimInsights Inc, Lake Forest, CA</b>	<b>November 2018- June 2019</b>
<ul style="list-style-type: none"><li>Designed and deployed cloud-based AR/VR analytics dashboards using ReactJS, Redux, and AWS (Elastic Beanstalk, RDS, S3).</li><li>Designed &amp; developed a video player using ReactJS and Material-UI to view AR/VR videos on the dashboard, with media controls</li><li>Built a custom video annotation and visualization system to improve real-time insights from simulation footage.</li><li>Designed a browser based customized PDF reader, with advanced navigation and markup tools for VR training reports</li></ul>		
<b>Software Engineer</b>	<b>Accenture, Mumbai, India</b>	<b>March 2015 – June 2016</b>
<ul style="list-style-type: none"><li>Financial industry experience, with understanding of banking foundation</li><li>Developed dashboards, portals to view, manage credit card details such as spend cap, bonuses, etc using JavaScript, HTML, CSS</li><li>Gained exposure to financial systems with production-grade reliability and security standards.</li><li>Architected multiple automation tools improving SLA by 25 %, trusted to collaborate with onsite, offsite, cross-platform teams</li><li>Experienced working in Agile Methodology using Scrum and Test-driven Development (TDD)</li></ul>		

### PROJECTS

<b>Full Stack Web Application</b> ( <i>Technologies:HTML5, CSS3, JavaScript, jQuery, npm, NodeJs, MongoDB</i> )	<b>November 2017</b>
<ul style="list-style-type: none"><li>Designed, developed, tested, web application for campgrounds visited, using JavaScript, deployed it on (cloud) Heroku</li><li>Allows users to submit reviews, images, and cost per night of campgrounds visited by them through the UI</li><li>User registration &amp; authentication any existing posts using 'passport' through NodeJs</li></ul>	
<b>Weather Forecast App using React-Redux</b> ( <i>Technologies:HTML5, CSS3, JavaScript, React.js, Redux, Redux-Form, axios, react-sparklines, Redux-Promise</i> )	<b>May 2018</b>
<ul style="list-style-type: none"><li>Built responsive web application to let users search for weather in different locations in the US</li><li>Forecast weather using Google API, React.js to work with the views, Redux to deal with data, and axios to fetch data</li><li>Use React-Sparklines to graphically show average temperature, humidity, and atmospheric pressure</li></ul>	
<b>YouTube Web App using ReactJS</b> ( <i>Technologies:HTML5, CSS3, React.js, React-Redux, lodash, YouTube-API-Search</i> )	<b>October 2017</b>
<ul style="list-style-type: none"><li>Designed a responsive YouTube-like video app that makes online viewing for users easy, using React.js</li><li>Videos searched using YouTube's Search API, and Redux to handle data from YouTube's search API</li></ul>	