

KHUSHBOO PARMAR

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PROFESSIONAL SUMMARY

Frontend & AEM Developer with 8+ years of experience building scalable, accessible, and high-performance web applications. Specialized in Adobe Experience Manager (AEM 6.5), React.js, and modern UI technologies, with a strong focus on WCAG/ADA compliance. Proven ability to design reusable component libraries, develop responsive enterprise applications, and integrate frontend systems with backend services. Experienced in Agile environments, cloud platforms (AWS, Azure), and delivering user-centric digital experiences across multiple devices.

TECHNICAL SKILLS

Frontend & Web Technologies: HTML5, CSS3, Bootstrap, JavaScript (ES6+), React.js, Angular (2+), AngularJS, jQuery, AJAX, JSON, SASS, LESS

AEM & CMS: Adobe Experience Manager (6.0, 6.4, 6.5), Sling Models, HTL (Sightly), CRXDE, OSGi, JCR

Programming Languages: JavaScript, Java, Python, SQL

Accessibility: WCAG 2.1, ADA Compliance, Accessible UI Development, Semantic HTML, Screen Reader Support

Tools & Testing: JIRA, Chrome DevTools, Selenium

Databases: MySQL, Oracle, MongoDB

Version Control: Git, Bitbucket

Cloud & DevOps: AWS, Azure, Docker, CI/CD (Jenkins)

Methodologies: Agile, Scrum, Waterfall

Operating Systems: MacOS, Windows, Linux

PROFESSIONAL EXPERIENCE

Front-End Developer

Carnival Cruise Line – Holland America & Seabourn | *Jan 2022 – Present*

- Developed and maintained scalable UI component library including buttons, forms, dropdowns, and reusable design elements.
- Built accessible, responsive web applications using React.js, HTML5, CSS3, and JavaScript aligned with WCAG standards.
- Integrated frontend components with backend services using REST APIs and Redux for state management.
- Implemented isomorphic and responsive design supporting desktop, tablet, and mobile platforms.
- Enhanced cross-browser compatibility across modern browsers.
- Developed and customized AEM components and templates using HTL and Sling Models.
- Collaborated with backend teams and designers to deliver high-quality user experiences.

Environment: React.js, AEM, HTML, CSS, JavaScript, REST APIs, Redux

AEM/UI Developer

Sherwin-Williams, Ohio | *Mar 2019 – Jan 2022*

- Developed enterprise web applications using AEM, Angular, and Java-based backend services.
- Designed and implemented reusable AEM components, templates, workflows, and services.
- Built responsive UI using modern frontend technologies and CSS preprocessors (SASS/LESS).
- Implemented CI/CD pipelines using Docker and Jenkins for efficient deployments.
- Collaborated in Agile teams to deliver scalable and maintainable solutions.
- Worked with RESTful and SOAP web services for system integrations.

Environment: AEM, Angular, Java, JSP, REST APIs, Docker, Jenkins

AEM/UI Developer

General Motors (GM) | *Jun 2018 – Jan 2019*

- Developed AEM components, templates, and OSGi services for enterprise web applications.
- Migrated legacy JSP-based components to HTL (Sightly) for improved performance and maintainability.
- Integrated frontend components with backend systems using RESTful APIs.
- Configured dispatcher and optimized performance in author/publish environments.

Environment: AEM 6.5, Java, JSP, HTL, JCR, REST APIs

Front-End Developer

Premier Logic, Atlanta, GA | Feb 2018 – May 2018

- Built responsive single-page applications using AngularJS and modern JavaScript frameworks.
- Implemented two-way data binding and MVC architecture for dynamic UI updates.
- Collaborated with QA teams for testing and debugging using JIRA.

Environment: AngularJS, HTML5, CSS3, JavaScript, REST APIs

UI Developer (Intern)

Hyland Software, Cleveland, OH | May 2017 – Aug 2017

- Developed UI interfaces using HTML, CSS, JavaScript, and C/C++.
 - Contributed to performance optimization and cross-browser compatibility improvements.
 - Supported development of testing standards and automation approaches
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UI Developer

Cleveland State University, Cleveland, OH | Mar 2016 – Apr 2017

- Managed and maintained student data systems using SQL and enterprise tools.
 - Developed and optimized database queries, stored procedures, and data work
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ACADEMIC PROJECTS

- **Accessible Web & Game Research (Recent Work):** Developed accessibility-focused applications and research on adaptive UI and observation-based accessibility profiling.
 - **Twitter Prototype:** Built a social platform using Node.js, AngularJS, MongoDB, and MySQL.
 - **Image Compression Research:** Conducted study on lossless compression techniques.
 - **Networking Research (Published):** Comparative analysis of routing protocols in MANETs for energy efficiency
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PUBLICATIONS & PROFILES

 Google Scholar: <https://scholar.google.com/citations?user=0UHDuD8AAAAJ&hl=en>

 ORCID: <https://orcid.org/0009-0006-2177-543X>

Published Paper:

Parmar, Khushboo P.; Shah Bhavisha, Asmita Patel, Parita Savaliya,
Comparative Analysis of Routing Protocols in MANETs for Energy Efficiency

IOSR Journal of Computer Engineering (IOSR-JCE), 2015

Parmar, Khushboo P.; Chudasama, Diya V.; Patel, Dipali; Dangarwala, Kruti J.; Shah, Shaishav
Survey of Image Compression Method: Lossless Approach

International Journal of Engineering Research & Technology (IJERT), Vol. 4, Issue 3, March 2015

Submitted Paper (Under Review): *ObservePlay: Observation-Based Accessibility Profiling for Adaptive Multimodal Game Feedback* (Submitted to **IEEE Access**, 2026)

EDUCATION

Master of Computer Science

Cleveland State University, Ohio | GPA: 3.6 | **Jan 2016 – Dec 2017**

Bachelor of Information Technology

Gujarat Technological University, India | GPA: 3.8 **Jun 2011 – May 2016**

ADDITIONAL STRENGTHS

- Strong focus on accessibility and inclusive design
- Experience working with enterprise-scale applications
- Proven ability to collaborate across cross-functional teams
- Passion for research and innovation in accessibility and AI-driven user experiences