

# HARSHA VARUN GUPTA KEDARISSETTY

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## SUMMARY

- Over 4 years of experience as a Front-End Developer, specializing in building responsive, scalable web applications, including e-commerce platforms, using React.js, Node.js, HTML, CSS, JavaScript, LESS, and SASS.
- Expertise in using Redux for state management in complex React applications, optimizing data flow and ensuring scalable, maintainable code architecture.
- Skilled in manipulating the DOM with jQuery to improve page responsiveness and employing JavaScript optimization techniques, such as minification, asynchronous loading, and lazy loading, to enhance performance and reduce load times by 35%.
- Proficient in developing and maintaining modular JavaScript code, including custom jQuery plugins, reusable Redux components, and optimizing JSON data handling for dynamic web interactions.
- Experienced in designing and developing interactive data visualizations with D3.js and utilizing AJAX for real-time updates, enhancing user engagement and data comprehension.
- Strong database management skills with SQL, NoSQL, MySQL, MongoDB, and PostgreSQL, ensuring superior data management and application performance.
- Proficient in using WordPress and Drupal for content management system (CMS), optimizing themes and plugins for high-performance website functionality, and leveraging Tailwind CSS to ensure responsive, utility-first designs.
- Hands-on experience in UI/UX design using tools like Sketch, Figma, Adobe XD, and Canva, delivering visually compelling, user-friendly interfaces aligned with project goals.
- Adept in testing frameworks like Jest, Jasmine, and Enzyme for validating core functionalities, alongside automation testing with Selenium and API testing using Postman, ensuring robust and reliable applications.
- Skilled in implementing CI/CD pipelines with Jenkins to automate builds, testing, and deployments, streamlining the software delivery process and improving scalability through Docker containerization.
- Proficient in deploying applications on AWS using services like EC2, S3, VPC, and EFS, ensuring seamless cloud deployment, scalability, and high availability.
- Strong collaboration skills in Agile environments, leveraging tools like Live Share, Git, GitHub, Jira, and Slack to ensure efficient teamwork, timely project delivery, and effective version control.
- Implemented optimization techniques like code splitting, lazy loading, and minimizing HTTP requests to improve load times and enhance website performance.

## TECHNICAL SKILLS

**Web Technologies:** HTML, CSS, JavaScript, jQuery, Bootstrap, LESS, SASS, Tailwind CSS, CSS Grid, Media Queries, Responsive Web Design, CSS Sprites, AJAX, JSON, XML, Content Management System (CMS), MVC

**JavaScript Libraries:** AngularJS, Node.js, React.js, Redux, Express.js, Typescript, Vue.js, D3.js, Drupal, Wordpress

**Version Control Tools:** GitHub, Git, SVN, Jenkins.

**Web Services:** RESTful, SOAP, AJAX, JSON, XML.

**IDE Tools:** Eclipse, Visual Studio Code.

**Databases:** MySQL, PLSQL (Oracle), MongoDB, MS SQL Server, PostgreSQL.

**Cloud Platform:** AWS (EC2, S3, VPC, EFS, CloudFormation, CloudTrail, Cloud9, RDS).

**UI/UX Tools:** Figma, Sketch, Adobe XD, Canva.

**Testing Tools and Frameworks:** Jest, Jasmine, Enzyme, Selenium, Postman.

**Build and Deployment Tools:** Npm scripts, Yarn, Docker, CI/CD pipelines (Jenkins).

**Optimization Techniques:** Code Splitting, Lazy Loading, Minification, Asynchronous Loading, HTTP Request Minimization.

**Certification:** AWS Certified Solutions Architect - Associate

## EDUCATION

**Arizona State University (ASU), Tempe, AZ**

Master of Science in Information Technology Management

Aug 2022 – May 2024

**Andhra University, Andhra Pradesh, India**

Bachelor of Technology in Mechanical Engineering

Aug 2015 – Apr 2019

## PROFESSIONAL EXPERIENCE

**Arizona State University, Tempe Arizona**

**Junior Software Developer**

**Jul 2023 – Present**

- Developed responsive, scalable web applications, including an e-commerce platform, using React.js, Node.js, HTML, CSS, JavaScript, LESS, and SASS, integrating Redux for state management and RESTful APIs with MongoDB to enhance cross-device experiences, optimize SPA performance, and manage high-volume MySQL databases.
- Manipulated the Document Object Model (DOM) with jQuery, reducing load times and improving page responsiveness.
- Enhanced user experiences by leveraging JavaScript optimization techniques, such as minification and asynchronous loading, cutting initial page load times by 35%.
- Designed and developed interactive data visualizations using D3.js, improving data comprehension and engagement.
- Collaborated with UI/UX designers to create visually captivating and user-friendly web interfaces, achieving a 20% improvement in user satisfaction.
- Conducted thorough cross-browser testing and debugging with Selenium to ensure compatibility and optimal performance across different browsers.

- Implemented CI/CD pipelines with Jenkins to automate builds, testing, and deployments, supporting over 10 builds per month.

## **Beyond Key Solutions, India**

### **Frontend Developer**

**Feb 2022 – Jul 2022**

- Led the development of user-friendly and responsive web pages using HTML5, CSS3, and Tailwind CSS, ensuring a seamless experience across devices and enhancing mobile compatibility.
- Utilized Yarn for faster and reliable dependency installations, optimizing project setup times by 30% in large-scale applications.
- Implemented client-side interfaces with React.js and JavaScript/jQuery frameworks to enhance interactivity, while developing reusable Redux components to manage complex application state, improving code efficiency, reducing redundancy, and ensuring consistent UI updates across user interactions.
- Developed and maintained modular JavaScript code, including custom jQuery plugins and config files, streamlining development processes and improving code consistency.
- Designed and implemented unit tests using Jasmine and Enzyme to validate core front-end functionalities, improving code reliability by identifying potential bugs early.
- Utilized MySQL for secure data storage, creating logins, assigning roles, and implementing authentication models to strengthen the security framework.
- Collaborated with cross-functional teams using Jira for bug tracking, Git for version control, and Adobe XD for UI/UX design, ensuring on-time project delivery and enhanced team coordination.
- Designed and optimized user interfaces with tools such as Figma and Canva, improving overall visual appeal and user experience by 15%.
- Streamlined development workflows and facilitated team communication through Slack, Discord, MS Teams, and Google Meet, fostering collaboration and reducing project delays.

## **Infosys Ltd, Hyderabad, India**

### **Senior Systems Engineer / Full Stack Developer**

**May 2019 – Feb 2022**

- Engineered responsive web applications using HTML5, CSS3, JavaScript, and Bootstrap, optimizing user experience across 200+ device configurations by implementing CSS Sprites and CSS Grid to enhance performance and ensure high adaptation to various display sizes.
- Applied UI/UX principles to design and develop intuitive, user-friendly interfaces, resulting in a 25% increase in user engagement and a 15% decrease in bounce rates.
- Converted high-fidelity Sketch prototypes into responsive front-end designs, ensuring pixel-perfect implementation aligned with project requirements.
- Developed and maintained high-performance browser applications using Node.js, React.js, and Express.js, ensuring rapid user interactions and efficient content rendering, while optimizing data storage and retrieval with MongoDB to handle large volumes of data seamlessly.
- Optimized client-specific elements of WordPress themes and plugins within Content Management Systems (CMS), including Drupal, enhancing website functionality, performance, and user experience across multiple browsers and devices.
- Leveraged Jest's mocking and asynchronous testing features to simulate API responses, ensuring robust handling of dynamic data in front-end applications.
- Managed version control with GitHub, resolving code integration issues across 50+ commits, and designed RESTful web services to ensure good connectivity and data interoperability between front-end and back-end systems.
- Developed and optimized custom npm scripts to automate build processes, testing workflows, and deployment pipelines, reducing development time by 20%.
- Leveraged Live Share and Git integration in Visual Studio Code to enable collaboration on front-end projects, improving team productivity in agile environments.
- Deployed distributed applications on AWS using services like EC2, S3, VPC, EFS, CloudFormation, and CloudTrail, while collaborating with backend developers, designers, and stakeholders in an Agile environment to ensure timely project delivery and alignment with business and user requirements.

## **PROJECTS**

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### **Two-Factor Authentication**

- Developed and deployed a robust Two-Factor Authentication (2FA) system leveraging traditional passwords and time-based one-time passwords (OTP) to enhance data security and safeguard personally identifiable information (PII) against phishing and brute force attacks.
- Mitigated critical security risks in corporate and academic sectors by designing a user-friendly 2FA solution, emphasizing the importance of cybersecurity measures to protect sensitive user data and strengthen organizational defenses.

### **Fraud Detection in Credit Card Transaction**

- Implemented a data monitoring system to evaluate machine learning models, achieving 98% accuracy, and conducted rigorous statistical tests to optimize predictive outcomes, ensuring precision and quality in fraud detection.
- Performed logistic regression analysis, attaining an 88% in-sample fit score, showcasing expertise in statistical modeling and enhancing the reliability of predictive results through thorough data validation.

### **Expense Tracker**

- Developed a full-stack personal expense tracking web application, integrating both front-end and back-end functionalities for seamless user interaction and data management.
- Implemented form validation and data input manipulation using JavaScript, and utilized local Storage/IndexedDB to ensure data persistence across user sessions.

### **AWS Capstone Project**

- Designed and implemented a scalable, robust, and cost-effective cloud architecture using RDS, Cloud9, LAMP server, and Systems Manager, ensuring seamless integration and operational efficiency.
- Enhanced security and traffic distribution with a bastion host, custom AMIs, and an Application Load Balancer, while ensuring application functionality through database imports, parameter configuration, and rigorous web query testing.