

Heer Patel

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EXPERIENCE

UI Developer | Radial Inc., United States

- React, Typescript, AWS, JavaScript, Git, Jest, JMeter, Agile
- July 2023 – Feb 2026
- Client-facing applications had usability and scalability issues, which led to high bugs reported by clients, or which translated Figma designs into responsive React and TypeScript components and integrated them with Express.js REST APIs, which reduces issues by 90%.
 - To improve slowness in load times and high resource usage, I implemented lazy loading, dynamic imports, code splitting, and Redis caching, which significantly improved response times, database load, and bundle size.
 - To enhance code quality and reduce manual effort, I implemented Jest unit tests, SonarQube analysis, and Playwright automation, which resulted in a 70% reduction in manual testing.
 - For stability under peak traffic, I developed JMeter scripts to simulate 50K concurrent users and integrated Lighthouse monitoring, ensuring consistent and reliable performance.
 - Built a PCI-DSS-compliant hosted payment solution using I Frames with integrating Klarna, credit cards, and saved wallets, enabling secure and seamless transactions to support secure client payment.
 - Worked with multiple clients to integrate new solutions, delivering technical documentation and support, resulting smoother onboarding and 45% faster integration timeline. Connected with clients and collaborated with their development teams to resolve issues and ensure seamless integration of our solutions into their systems.
 - Migrated legacy services to improve scalability and reliability to AWS (EC2, S3, RDS), implemented CloudWatch monitoring, and automated deployments via CI/CD pipelines, which reduced downtime by 90%.

Graduate Research Assistance | University of Texas Arlington, United States

Sep 2021 – May 2023

- Developed scripts to query and process massive student data for faster reporting and improved accuracy pertaining to both current and potential students while working with MARS (Maverick Analysis & Reporting System) datasets.
- Managed backend FAQ datasets to train AdmitHub and Ocelot chatbots, increasing automation and lowering the workload associated with manual responses by 70%.
- Led a group of 25 undergraduate and graduate students, trained them in accordance with their roles, and participated in the Office of Admissions' core recruiting committee for decision-making.

SKILLS

Programming Language: C, C++, C#, PHP, Java, Java Script, HTML/ CSS, Python, R, Laravel, Typescript

Database: MySQL, Oracle, SQLite

Frameworks: ReactJS, AngularJS, Java Swing, Android, WordPress, ASP.net, Ajax, Spring Boot, Express, Playwright, Jest

IDEs: R Studio, MATLAB, XAMPP, NetBeans, Visual Studio, Eclipse

Additional: AWS, Linux, MVC, Agile, GitLab, GitHub, Rest APIs, JMeter, Jira, Excel, Word, Confluence, SonarQube

AI Tools: Amazon Q, ChatGPT, Gemini, Claude, Grammarly

EDUCATION

University of Texas Arlington | Arlington, TX | GPA: 3.54/4

Aug 2021 - May 2023

Master of Science in Computer Science

Indus University | Ahmedabad, India | GPA: 4/4

Aug 2017 - May 2021

Bachelor of Engineering in Computer Science

PROJECTS

File Storage Cloud Application | Java, AWS, Spring Boot

May 2022 - June 2022

- Using socket-based file transfer, a multi-threaded cloud-based file storage system was created that allows multiple clients to upload, download, and delete files simultaneously while maintaining synchronized file consistency.
- The server and application were deployed on AWS, enabling scalable operations and remote access for numerous users.

Say It Right | ReactJS, Laravel, MySQL, AWS

Aug 2021 – Dec 2021

- In order to enhance communication and engagement, a full-stack student portal was constructed with a ReactJS frontend and a Laravel/MySQL backend. JWT-based role authentication and blog/chat features were implemented.
- To guarantee safe, scalable hosting of student recordings and photos, media storage was implemented on AWS S3.