NIKHIL HEGDE

Software Engineer

Dallas, TX (Open to Relocation)| nikhilhegde81@gmail.com | 512-992-6442
https://www.linkedin.com/in/hegde-nikhil/ | https://github.com/Nickhegde
Work Authorization: F1 Visa

EDUCATION

THE UNIVERSITY OF TEXAS AT DALLAS, Texas, USA | Aug 2024 – May 2026
Master of Science in Computer Software Engineering | GPA 3.59/4

NMAM INSTITUTE OF TECHNOLOGY, Karnataka, India | June 2018
Bachelor of Engineering in Electronics and Communications Engineering | GPA 8.9/10

TECHNICAL SKILLS

Programming Languages	: HTML5, CSS3, JavaScript, Typescript, Python, Java, PySpark, Scala, Spark, C++
Web Technologies	: JSON, jQuery, XML, SOAP, AJAX
Frameworks	: React JS, Redux, Express JS, Next JS, AR JS, Node JS, Springboot, Angular JS
Databases	: MySQL, Mongo DB
Tools and Technologies	: AWS, Azure, GitHub, Jira, Jenkins, Celtra, Databricks, Docker, Progressive Web Application
Other	: Adobe Photoshop

PROFESSIONAL EXPERIENCE

CS Outreach Lead | Oct 2024 – Present
University of Texas at Dallas – Texas, United States of America
- Led the development and maintenance of a Java Spring Boot web application for scheduling, managing mentor-led classes, and tracking student registrations and attendance.
- Designed and implemented RESTful APIs to support new features, improving system functionality and user engagement.
- Integrated Spring Java Mail for automated email reminders and confirmations, enhancing communication efficiency and user experience.
- Maintained system performance and stability through regular updates, UI enhancements, and effective version control practices.

Senior Solutions Engineer | Mar 2024 – Jul 2024
Whatfix – Karnataka, India
- Spearheaded end-to-end implementation of Digital Adoption Platform (DAP) solutions for 10+ enterprise clients, customizing workflows and UI components to drive user engagement.
- Led successful onboarding and analytics integration for Berger Levrault and Bbraun, improving their digital adoption metrics and contributing to a 60% uplift in product utilization.
- Engineered tailored JavaScript solutions and event tracking mechanisms to optimize platform performance and deliver actionable insights.
- Collaborated with cross-functional teams on usability testing and created training modules, reducing implementation cycles by 35%.

Solutions Engineer | Jan 2022 – Nov 2023
InMobi – Karnataka, India
- Designed and deployed automated campaign performance dashboards using the MERN stack and Azure APIs, enhancing transparency and reducing data retrieval time by 70%.
- Streamlined data engineering processes by leveraging PySpark and Azure Notebooks, minimizing manual workload and improving operational efficiency.
- Developed secure access protocols and data visualization tools for internal and external teams, strengthening compliance and reducing unauthorized access incidents.
- Implemented scalable automation for reporting and QA workflows, resulting in a 40% decrease in turnaround time for campaign metrics delivery.
- Led technical integrations for StoreKit ad network campaigns on iOS, ensuring seamless performance tracking and compliance with Apple's privacy standards.

Senior Software Engineer | Jul 2021 – Jan 2022
InMobi – Karnataka, India
- Developed over 100 interactive and responsive rich media ad units using Celtra, HTML, CSS, and JavaScript, contributing to enhanced brand visibility and user engagement.
- Engineered advanced customizations within Celtra's platform to optimize ad rendering, boosting overall delivery rate by 20%.
- Created a React-based internal gallery platform to catalog and showcase creatives for client presentations, improving business acquisition efforts.
- Collaborated with creative teams to develop brand-compliant ad experiences tailored for global markets, ensuring optimal user experience across platforms.
- Mentored junior engineers and provided technical guidance on front-end best practices, improving team code quality and development velocity.

Software Engineer | Aug 2018 – Jul 2021
Y Media Labs – Karnataka, India
- Led front-end development of State Farm's 100forGood website and CMS portal using React JS and Redux, increasing web performance by 30% and accessibility by 40%.
- Resolved over 20 high-priority production issues in the Hill-Rom CMS platform within tight deadlines, improving system stability and client satisfaction.
- Presented a proof-of-concept AR-based e-commerce experience (AR JS) to leadership, showcasing innovation and potential for retail digital transformation.
- Contributed to code optimization and modularization strategies, enabling easier scalability and reducing page load times across applications.
- Recognized with two "YML Quarterly Awards" for leadership, on-time delivery, and mentoring junior developers in advanced front-end techniques.

CORE COMPETENCIES

Software Engineering | User Interface Development | Backend Development | Full-Stack Web Development | API | Cloud Platforms & DevOps | Data Science, Data Engineering & Analytics | UI/UX Design & Optimization | Data Structures & Algorithms |Software Integration & Automation | Version Control & CI/CD | Technical Documentation | Problem Solving | Debugging | Big Data | MacOS | NLP | AI