

KALYANKUMAR KONDURU

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EDUCATION

Purdue University Fort Wayne
Master's, Computer Science

January 2024 - December 2025

Anna University - Chennai
Bachelor's, Computer Science

August 2015 - April 2019

SKILLS

- **Programming & Web Development:** C/C++, Java, JavaScript, TypeScript, Python | HTML/CSS, Angular, React.js, Node.js
- **Databases & Tools:** MySQL, PostgreSQL, MongoDB, NoSQL | Git, JIRA, Confluence, Windchill, Excel, Outlook
- **Frameworks, Cloud & Methodologies:** Spring Boot, Apache Maven | AWS, Azure | Agile, Test-Driven Development (TDD), CI/CD

PROFESSIONAL EXPERIENCE

Accenture

Software Engineer

September 2021 - December 2023

- Engineered robust Java backend features by translating detailed Jira requirements into scalable solutions—ensuring 100% on-time delivery and reinforcing overall system reliability.
- Optimized user access management through precise configuration in Windchill and Polarion while maintaining 100% accuracy and streamlining Confluence documentation, which bolstered team collaboration and compliance.
- Enhanced cloud infrastructure resilience by executing comprehensive production tests on AWS and continuously monitoring AWS Lambda functions, thus ensuring scalable, high-availability operations.
- Accelerated quality assurance processes by architecting and integrating automated testing frameworks—boosting testing efficiency by 40% and reducing deployment delays by 20% for faster, more reliable releases.
- Drove system optimization by partnering with Business Intelligence and Data Science teams to analyze performance metrics, yielding actionable insights that improved system functionality and user experience.

Associate Software Engineer

February 2021 - August 2021

- Architected and delivered high-performance SaaS applications using AngularJS, Node.js, MongoDB, and RESTful APIs—improving delivery efficiency by 20% through modular design and seamless integration.
- Boosted software performance by 10% by leveraging Agile methodologies and refining design patterns, which ensured rapid adaptability and maintained high code quality.
- Fortified backend reliability by instituting test-driven development (TDD) practices, significantly reducing defects and enhancing overall system stability.
- Revamped data integration by streamlining APIs and restructuring database models—resulting in optimized data flows that elevated customer engagement and satisfaction.
- Reduced pre-deployment issues by 20% through close collaboration with DevOps teams to design and implement robust CI/CD pipelines, enabling faster and more secure release cycles.

PROJECTS

GAN-based Image Synthesis for Apparel Visualization

- Pioneered a cutting-edge GAN-based system using deep learning to transform apparel visualization, directly enhancing user engagement with realistic, high-quality visual outputs.
- Applied advanced data science methodologies and statistical models to generate high-resolution apparel images, significantly improving image fidelity and customer trust.
- Developed innovative mathematical models to optimize visual representation, driving superior user engagement and more accurate product visualization.

Survey Metrics

- Collaborated on a dynamic survey-based web application built with Python, NoSQL, and React.js—effectively connecting users with domain experts and empowering data-driven decision-making.
- Designed intuitive user interfaces that streamlined interactions and improved data accuracy, directly amplifying user engagement and overall satisfaction.
- Instituted rigorous testing protocols with comprehensive test case documentation in Jira, expediting issue resolution and reinforcing product reliability.

Event Vault

- Spearheaded the design and deployment of a scalable event planning platform using Java Spring Boot, PostgreSQL, and React.js—streamlining event management and enhancing operational efficiency.
- Implemented robust security measures by establishing secure user authentication and role-based access control, thereby safeguarding sensitive data and ensuring regulatory compliance.
- Collaborated cross-functionally with design and mobile teams to deliver responsive, cross-platform solutions that significantly elevated the user experience.

Portfolio

- Crafted and launched a visually compelling personal portfolio website using React, Next.js, Material-UI, and Font Awesome—effectively showcasing projects and technical expertise to enhance professional branding.
- Optimized performance and SEO by leveraging Next.js for server-side rendering, resulting in rapid load times and markedly improved search engine visibility.
- Enhanced user engagement by integrating Material-UI components to develop a modern, intuitive interface that adapts seamlessly across devices, ensuring consistent, high-quality user interactions.