

# Kalyankumar Konduru

Fort Wayne, Indiana

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## Summary

Experienced Full Stack Engineer skilled in developing scalable Java and backend solutions while enhancing developer experience through automation and robust CI/CD pipelines. Demonstrated expertise in integrating cloud services, particularly AWS, to ensure high performance and reliability. Proven collaborator with a strong background in Agile methodologies and detailed performance analysis, consistently delivering projects on time and optimized for efficiency.

## SKILLS

- **Programming & Web Development:** C/C++, Java, JavaScript, TypeScript, Python, HTML/CSS, Angular, React.js, Node.js
- **Design & Architecture:** Object-Oriented Design
- **Core Frameworks & Methodologies:** Spring Boot, Apache Maven, AWS, Azure, Agile, Test-Driven Development (TDD), CI/CD, Automation Frameworks, RESTful Services
- **Databases & Tools:** MySQL, PostgreSQL, MongoDB, NoSQL, Git, JIRA, Confluence, Windchill, Excel, Outlook
- **Professional Expertise:** Software Engineering Experience, Frontend Development

## PROFESSIONAL EXPERIENCE

### Accenture

Sep 2021 - Dec 2023

#### Full Stack Engineer

- Engineered robust Java backend features by translating detailed Jira requirements into scalable solutions, delivering projects on time and improving system reliability.
- Optimized user access management through precise configuration in Windchill and Polarion, while streamlining Confluence documentation to enhance team collaboration.
- Enhanced cloud infrastructure resilience on AWS by executing comprehensive production tests and continuously monitoring AWS Lambda functions to ensure scalable operations.
- Accelerated quality assurance processes by architecting and integrating automated testing frameworks, boosting testing efficiency and reducing deployment delays.
- Drove system optimization by partnering with Business Intelligence and Data Science teams to analyze performance metrics, leading to improved system functionality.

### Accenture

Feb 2021 - Aug 2021

#### Associate Software Engineer

- Architected and delivered 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 object-oriented design patterns, ensuring rapid adaptability and maintaining reliable code.
- Fortified backend reliability by instituting test-driven development 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 improved customer interactions.
- 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.

## EDUCATION

### Purdue University Fort Wayne

Jan 2024

Master's, Computer Science

### Anna University - Chennai

Aug 2015 - Apr 2019

Bachelor's, Computer Science

## 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 React, Node.js, and MongoDB—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.