

Kalyankumar Konduru

Software Engineer

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WORK EXPERIENCE

Software Engineer • 09/2021 - 12/2023

Accenture

- **Java Backend Development:** Architected scalable backend systems with Java Spring Boot by translating Jira requirements into production-grade solutions, boosting system reliability and reducing downtime by 30%.
- **Cloud Infrastructure & AWS:** Optimized AWS infrastructure through comprehensive production tests, fine-tuning Lambda functions, and enhancing scalability by 20%.
- **CI/CD Implementation:** Implemented a robust CI/CD pipeline integrating automated testing, shortening deployment cycles by 40%.
- **Leadership & Project Management:** Directed a team of 6 within Agile/Scrum environments, reducing project delays by 20%.

Associate Software Engineer • 02/2021 - 08/2021

Accenture

- **SaaS Application delivery:** Developed and deployed applications using AngularJS, Node.js, PostgreSQL, and RESTful APIs, elevating delivery efficiency by 20%.
- **Code Quality Enhancement:** Refactored code and design patterns to boost software performance by 10%; contributed to Scrum meetings that augment project tracking.
- **Quality Assurance:** Instituted TDD practices that lowered defect rates by 25% and bolstered overall system stability.
- **Collaboration with DevOps:** Partnered with DevOps teams to construct CI/CD processes that slashed pre-deployment issues by 20%.

PROJECTS

Alivio

Platform Development: Led a team of 3 to build an event planning platform using React, MongoDB, and Node.js.

Security Implementation: Integrated user authentication and role-based access control, which reduced unauthorized access incidents by 80%.

ORAMA

System Creation: Engineered YOLOv8 pipeline with weather adaptive preprocessing, boosting object detection accuracy by 45% under fog and rain conditions, processing at 29 FPS.

Alert Implementation: Added a rule-based risk calculator and visual cues, enhancing safety in poor weather by 30%.

TWARITA

System Design: Constructed an adaptive decision-tree algorithm to evaluate collision risks leveraging sensor inputs; reduced computational load by 25%, allowing vehicles to make quicker decisions in diverse driving environments.

Feature Deployment: Integrated distinct alerts (sound, screen, vibration) and tested functions like auto-braking, improving edge compatibility and safety by 25%.

SKILLS

Programming & Web Development:

Angular, C/C++, HTML/CSS, Java, Javascript, Node.js, Python, React.js

Databases and Tools: Confluence, JIRA, MongoDB, PostgreSQL, Power BI

Frameworks, Cloud & Methodologies:

Agile, AWS, CI/CD, Git, Matplotlib, NumPy, Spring Boot, TensorFlow, Ultralytics, YOLOv8

EDUCATION

Master's in Computer Science

Purdue University Fort Wayne

Fort Wayne, Indiana

Bachelor's in Computer Science

Anna University

Chennai

CERTIFICATIONS

IEEE Hackathon – TWARITA and ORAMA

03/2025 - 03/2025

IEEE (in collaboration with Purdue University Fort Wayne, PCCOE, and SPIT)

Power BI Data Analyst Associate

Microsoft

AWARDS & SCHOLARSHIPS

1st Place – IEEE Hackathon Winner

04/2025

IEEE (in collaboration with Purdue University Fort Wayne, PCCOE, and SPIT)