

# KRANTHI KUMAR REDDY ANNA PUREDDY – FULL STACK DEVELOPER

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## PROJECTS

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### Portfolio Website

JUN 2025 - PRESENT

**Tools:** HTML, Type Script, SCSS, Angular, GitHub Actions

- **Automated CI/CD using GitHub Actions**, reducing develop to deploy time by 80%.

### Trade Connect and Processing (TCP)

OCT 2020 - PRESENT

**Tools:** Java, Angular, MySQL, BIRT, Kafka, Liquibase

- Upgraded legacy **APIs to Restful services**, improving integration capabilities and reducing response times by 30%.
- Integrated **SpotBugs into the CI/CD pipeline**, improving code quality and preventing 15+ potential production defects.
- Implemented **Liquibase for automated database scheme versioning**, reducing manual errors by 40%.
- Designed and optimized **BIRT reports**, improving performance and delivering insights to 100+ business users with reduced report generation time.
- Integrated and **optimized mail service configurations**, improving notification reliability and reducing email delivery failures by 20%.
- **Integrated RESTful APIs with Angular front-end**, enabling seamless data flow and real-time updates for end-users.
- Developed and maintained **Apache Kafka-based event-driven systems**, enabling real-time data streaming and reducing message processing delays by 25%.
- **Optimized Angular application performance** by leveraging lazy loading, change detection strategies, and state management, resulting in smoother navigation.

## EDUCATION

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### Master of Engineering in Internetworking

SEPT 2023 - MAY 2025

**Dalhousie University, Halifax, NS**

- Relevant Courses: Programming in Internetworking (Docker, CI/CD pipelines).

### Bachelor of Engineering in Electrical and Electronics Engineering

JUN 2016 - SEPT 2020

**Anna University - R.M.D. Engineering College, India**

- Relevant Courses: Object Oriented Programming (C, C++, Java languages and Algorithms).

## EXPERIENCE

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### Remote

SEPT 2024 - PRESENT

#### Full Stack Developer

- Introduced **automated testing (JUnit, CI/CD integration)** in legacy systems, increasing test coverage and preventing regression defects.
- Migrated legacy **monolithic applications to modern microservices architecture**, improving scalability and reducing system downtime by 40%.
- **Integrated and customized DataTables within Angular applications**, enabling advanced features such as pagination, sorting, and filtering, which improved data accessibility for 500+ end users.
- **Collaborated with UI/UX teams** to translate wireframes and business requirements into intuitive, user-friendly web interfaces.

### SoWeDid Software Solutions, Hyderabad, India

OCT 2020 - MAY 2023

#### Software Developer

- **Refactored outdated codebases** to adopt modern frameworks and design patterns, enhancing maintainability and reducing technical debt.
- **Implemented reusable Angular components and services**, streamlining development and reducing code duplication across modules.
- **Documented Liquibase workflows and best practices**, making it smooth on-boarding for the new team members and improving database release cycle by 25%.
- Built and optimized **Elasticsearch queries and indexes**, reducing search response time by 30% and supporting faster data retrieval across applications.