

Nagarjun Reddy Dudipala

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PROFESSIONAL SUMMARY

- Full Stack Developer with 5+ years of experience in **Java/J2EE** and **.NET Core**, specializing in enterprise application design, development, and deployment. Proficient in building scalable and resilient backend systems and dynamic frontend applications using modern frameworks and cloud technologies.
- Hands-on experience with **Spring Boot, Spring MVC, Microservices, RESTful APIs, GraphQL**, and ORM frameworks like **Hibernate/JPA**, enabling seamless data access and integration.
- Skilled in creating interactive and responsive UIs using **React.js, Angular, TypeScript, HTML5, CSS3, JavaScript, AJAX**, and **jQuery**. Strong in integrating **REST** and **SOAP** services for system interoperability.
- Proficient in cloud architecture and services using **AWS (EC2, Lambda, API Gateway, S3, DynamoDB, RDS)** and **GCP**. Experience with infrastructure automation, monitoring, and logging using **Docker, Kubernetes, Jenkins, Prometheus**, and **ELK Stack**.
- Adept in test automation using **JUnit, TestNG, Selenium, Mockito**, and **Postman** to ensure high code quality. Demonstrated leadership in mentoring teams, collaborating with cross-functional stakeholders, and delivering products in **Agile/Scrum** environments.

TECHNICAL SKILLS

Programming Languages: Java 11/8, C#, Python, JavaScript, TypeScript, SQL, Shell, Kotlin, Groovy, Ruby

Frameworks : Spring Boot, Spring MVC, Spring Security, Hibernate, JPA, Kafka, .NET Core, Flask, Node.js, Ruby on Rails

Web Development : HTML5, CSS3, JavaScript, TypeScript, AJAX, jQuery, Angular, React.js, Node.js

Web Services: RESTful APIs, SOAP, JAX-RS, JAX-WS, GraphQL, gRPC

Databases: SQL Server, PostgreSQL, Oracle, MySQL, MongoDB, DynamoDB

Cloud Platforms: AWS (EC2, Lambda, API Gateway, S3, DynamoDB, RDS), Microsoft Azure (Functions, SQL Database, App Service), GCP

DevOps & CI/CD: Docker, Kubernetes, Jenkins, GitLab CI, Terraform, Ansible

Monitoring & Logging : ELK Stack, Prometheus, Grafana

Version Control & Tools: Git, Bitbucket, SVN, IntelliJ IDEA, Visual Studio, VS Code, Postman, Swagger

Concepts : OOP, Agile/Scrum, Microservices, Unit Testing, API Security (OAuth2, JWT), CI/CD, Production Support

WORK EXPERIENCE

Fedex

Memphis, TN

Information Technology Intern

Jan 2025 – Present

- Leading the development of logistics applications using Spring Boot, Kafka and AWS Lambda for real time package tracking.
- Built React.js-based dashboards to visualize delivery performance and reduce SLA breaches by 25%.
- Integrated Prometheus and ELK for monitoring and observability, improving issue detection by 40%.
- Automated CI/CD pipelines with GitLab CI and Docker, reducing deployment time by 50%.

University of Memphis

Memphis, TN

Research Assistant at Centre for Applied Earth Science and Engineering Research (CAESER)

Sep 2023 – Dec 2024

- Automated geospatial data workflows using **Python** and **SQL Server**, enhancing data throughput by 85%.
- Built **interactive dashboards** using **ArcGIS** and JavaScript, improving city infrastructure visibility and responsiveness.
- Collaborated with urban planning teams to simulate city growth, utilizing **PostgreSQL** for high-availability data storage and retrieval.
- Conducted data cleaning, indexing, and aggregation tasks in **relational databases**, improving downstream reporting accuracy.

Client: Citi Bank
Full Stack Developer

Irving, TX
May 2020 – Aug 2023

- Engineered backend banking systems using **Spring Boot** and **.NET Core** for transaction processing and account management, achieving 99.9% reliability.
- Designed customer onboarding and portfolio dashboards using **React.js, TypeScript, and AJAX**, reducing onboarding time by **20%**.
- Implemented GraphQL endpoints for complex data querying and aggregation across services.
- Built and consumed **REST** and **SOAP APIs** with JAX-RS and JAX-WS, integrating with legacy systems and third-party vendors.
- Improved **SQL Server** performance by optimizing stored procedures and applying indexing strategies, reducing DB response time by **30%**.
- Utilized Prometheus and **ELK Stack** to monitor system health and proactively resolve anomalies, improving uptime and SLA compliance.

Client: Verizon Communications
Full Stack Developer

Basking Ridge, NJ
May 2020 – Aug 2023

- Developed and deployed backend services using **Java 8, Spring Boot**, and **Kafka** to support order management systems, improving order processing throughput by **30%**.
- Built interactive **Angular** dashboards and mobile-compatible web interfaces for customer-facing applications, increasing user engagement by **25%**.
- Refactored legacy SOAP-based interfaces into RESTful services with JAX-RS, reducing integration complexity and latency by **40%**.
- Designed and optimized **PostgreSQL** queries and indexes, enhancing reporting performance for large datasets by **35%**.
- Deployed containerized microservices using **Docker** and **Kubernetes**, enabling faster, scalable deployment cycles.
- Integrated **CI/CD pipelines** using Jenkins and **GitLab CI**, reducing release time by **50%** and deployment failures by **90%**.

ACADEMIC PROJECTS

Multithreaded Data Visualization and Analytics Tool | Eclipse: Java

Jan 2024 – May 2024

- Developed a multithreaded Java application capable of processing datasets with up to one million rows, ensuring a 30% faster response time through parallel processing techniques.
- Designed and implemented an interactive GUI with JavaFX, allowing users to analyze and visualize data using advanced chart types such as scatter plots and heat maps. Integrated a relational database using JDBC to store, retrieve, and manage datasets and visualization configurations, achieving 95% data retrieval accuracy and a seamless user experience across multiple sessions.

Nomads Haven -Caravan Sales Web App | Visual Studio : Ruby ,HTML,CSS JavaScript

Nov 2024 – Dec 2024

- Built a full-stack **Ruby on Rails** application with **MVC architecture**, allowing users to list, filter, and purchase caravans.
- Implemented **RESTful APIs**, dynamic filtering with JavaScript/jQuery, and email notifications using **Action Mailer**.
- Designed frontend UI with **Bootstrap** and validated input with client-side JS, ensuring responsiveness and accessibility.

Excel File Analyzer – Cloud-based Data Viz Tool

Oct 2023 – Dec 2023

- Built an AWS-powered app that allowed users to upload Excel files, generate visualizations, and distribute insights. Leveraged **EC2, Lambda, S3, and SNS** to create event-driven architecture for graph generation and sharing.

EDUCATION

Master of Science in Computer Science | The University of Memphis, TN ,USA

May 2025

Key Courses: Data Structures and Algorithms, Computer Systems Architecture, Probability & Statistics, Computer Networks, Machine Learning ,Linear Programming ,Fundamentals of Data Science ,Network Security

Bachelor of Science in Electronics & Instrumentation Engineering | CVR College of Engineering, Hyderabad, India

Jul 2020

Key Courses: Data Structures, Distributed Systems, Artificial Intelligence, Operating Systems, OOPS using JAVA, DBMS, Computer Networks.

- Awarded the **Best Project of the Year** Award for **star** performance in FY'20.