

Naveen Kumar Reddy Kotturu

Full Stack Developer

nvnkotturu@gmail.com | +1 (361) 261 -3690 | TX, USA | [Linkedin](#)

SUMMARY

Full Stack Developer with over 3 years of experience, specializing in **SDLC**, design, development, and optimization of web applications across banking, retail, e-commerce, and healthcare domains, delivering high-performance solutions tailored to industry-specific needs. Proficient in both frontend and backend technologies using **Java**, **Spring Boot**, **React.js**, **React Native**, **GraphQL**, **Angular**, **Node.js**, **HTML5**, **CSS3**, **JavaScript**, and **Bootstrap**. Expertise in databases such as **MongoDB**, **Elasticsearch**, **Cassandra**, **PostgreSQL**, and **SQL Server**, with expertise in **SQL** query writing, data extraction, and manipulation. Knowledgeable in **Agile** and **Waterfall** methodologies, utilizing DevOps tools like **Kubernetes**, **Docker**, **Jenkins**, **GitLab CI**, and version control systems such as **Git** and **Bitbucket**. Expertise in building data visualization dashboards using tools like **Tableau** and **Power BI**, and cloud platforms like **Amazon EC2**, **S3**, **PCF**, and **Elastic Load Balancing**, optimizing applications for scalability and performance.

SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript – writing scalable, clean, and efficient code.

Front-End Development: React, Angular, HTML5, CSS3, Bootstrap – building responsive and interactive user interfaces.

Back-End Development: Node.js, Spring Boot, REST API development, microservices – designing robust server-side applications.

Cloud Platforms: AWS (EC2, S3, Lambda), Azure (App Services, Functions) – deploying and managing cloud-native applications.

Artificial Intelligence & Machine Learning: Generative AI, AI system integration, predictive modeling, and ML workflows.

Databases: SQL (PostgreSQL, MySQL), NoSQL (MongoDB) – database design, optimization, and query tuning.

DevOps & CI/CD Tools: Jenkins, Docker, Kubernetes – automating builds, testing, and deployments.

Version Control: Git, GitHub – branch management, code review workflows, and collaborative development.

PROFESSIONAL EXPERIENCE

JPMorgan Chase

Feb 2025 – Present

Full-Stack Developer

TX, USA

- Designed and assembled scalable microservices using **Spring Boot**, enhancing modularity and boosting overall system efficiency by 30%, while ensuring improved maintainability and streamlined deployment across the entire **SDLC**.
- Optimized database interactions using **Hibernate ORM** integrated within **RESTful APIs**, ensuring reliable **JSON-based** communication, seamless data persistence, and faster query performance across distributed application layers.
- Crafted and implemented scalable backend services using **Java(J2EE)** and **Spring Boot**, applying OOPS(Object Oriented Programming) principles, which led to a 40% reduction in code duplication.
- Implemented OAuth authentication to enhance API security, enforcing robust access control and secure communication between microservices with adherence to HIPAA Compliance.
- Built UIs with **React.js**, **React Hooks**, **Context API**, **HTML**, **CSS**, **JavaScript**, and **Bootstrap**, improving state management, performance, and cross-device accessibility, resulting in a 20% increase in user experiences.
- Integrated **CI/CD pipelines** using **AWS (EC2, S3)**, **Lambda**, and serverless architectures, enabling automated deployments and cloud scalability, reduced deployment time by 30% and accelerated feature delivery in Agile teams.

Texas A&M University-Kingsville

Sep 2024 - Jan 2025

Graduate Teaching Assistant

Kingsville, Texas

- Cultivated an engaging classroom environment that aligns with **SLU's Jesuit** value of **cura personalis**. Diversified learning styles and fostered discussions to support intellectual and personal growth.
- Pursued professional development opportunities to enhance instructional effectiveness. Stayed informed about evidence-based teaching practices relevant to SLU's learning community.
- Delivered timely, detailed assessments and exams, prioritizing student growth and mastery of material.
- Employed feedback as a tool to nurture academic excellence and align commitment to rigorous scholarship.
- Collaborated with faculty to design and deliver engaging course content that emphasized **ethics, social justice, and service**, aligning with **SLU's core mission** and fostering a deeper understanding of responsible data practices among students.
- Integrated **SQL-based modules and assignments** into coursework to provide **hands-on experience in data management and analysis**, enhancing students' **technical proficiency** and preparing them for real-world data-driven decision-making.
- Incorporated **CSS UI** principles in digital course content, improving the accessibility and visual appeal of online learning resources.
- Offered dedicated office hours and one-on-one support to address both academic challenges and personal development. Guided students to align academic goals with leadership and service.

Accenture

Full-Stack Developer

Oct 2021 - Jul 2023

Hyderabad, India

- Streamlined **frontend with Angular**, boosting customer interaction speed by reducing page load by 2 to 3 seconds, using GitHub for version control and collaboration across 5+ cross-functional teams.
- Architected scalable backend services with **Spring Data REST and GraphQL**, improving API efficiency by reducing response time by 80–100 ms and minimizing downtime by 2 to 3 hours per week via Kafka and Kubernetes orchestration.
- Deployed enterprise applications on **Azure using CI/CD pipelines with Jenkins**, reducing deployment time by 2 hours per release while improving operational stability, release consistency, and rollback efficiency across environments.
- Developed the frontend using **React Native and TypeScript**, applying a mobile-first approach, which improved user engagement across 5,000+ devices and enhanced UI responsiveness.
- Sharpened **application performance** by strategically reducing the **webpack bundle size by 5–7 MB**, resulting in significantly **faster load times**, improved responsiveness, and **seamless navigation** even during high-traffic user sessions.
- Maximized **Postman and Swagger** for **API testing** and documentation, improving API response accuracy and reducing average response time by 150 ms per API call.
- Ensured code quality with **SonarQube**, increasing reliability across 50,000 lines of code, and used Jasmine/Karma for unit testing with 95% coverage, reducing production bugs by 200+ incidents annually.
- Managed databases using **DB2 (structured) and MongoDB (unstructured)**, optimizing queries to handle 500,000 daily transactions securely and efficiently.

KPMG

Software Engineer Intern

Feb 2021 – Sep 2021

India

- Engineered **scalable financial applications in Java** using a **microservices architecture**, maintaining **200ms latency under high-load transactional conditions**, and ensuring reliability and fault tolerance in production environments.
- Automated **CI/CD pipelines using Jenkins**, containerized financial services with **Docker, and orchestrated via Kubernetes**, reducing deployment time from 20 minutes to 10 minutes.
- Designed and implemented **secure RESTful APIs** to integrate **three third-party financial systems**, enabling **real-time data exchange**, improved interoperability, and secure transactional workflows across distributed services.
- Integrated Tableau for real-time financial dashboards, ensuring responsive data visualization across applications.
- Developed **React.js-based user interfaces** for financial tools, empowering customers to **manage accounts, transactions, and reports** in real time with intuitive design and **seamless navigation** across devices.
- Developed responsive web pages using **Bootstrap**, ensuring consistent functionality across devices and reducing interface load errors (tracked via user engagement analytics).
- Unified cloud services using **Azure Blob Storage** for file management and **Azure Virtual Machines** maintaining less than 1 hour of annual downtime and reducing hosting costs by \$3,000 annually.

EDUCATION

Texas A&M University-Kingsville

Aug 2023 - May 2025

Master of Science in Computer Science

Kingsville, Texas

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate

AWS Certified Developer – Associate