

RAJESH NALLA

9136249209 • rajeshn.700247@gmail.com • Corpus Christi, Texas

SOFTWARE ENGINEER

Frontend Development | System Design | Back-End Development

Skilled Software Engineer with 3+ years of experience in backend development and **distributed system architecture**. Expertise in utilizing **Agile and Scrum methodologies** to deliver high-quality software solutions that improve efficiency, availability, reliability, scalability, and user experience. Proficient in **algorithms, data structures**, and building secure, reliable systems, with hands-on experience in modern **programming languages**, Object Oriented programming and cloud infrastructure. Passionate about developing robust platforms and tools that ensure operational excellence, enhance security, and drive innovation in the tech space.

SKILLS

Web Development Technologies: HTML/HTML5, CSS/CSS3, XML, JavaScript, AJAX, Angular, jQuery, JSON, Bootstrap, React.js

Programming Languages: Java, C++, Python, C, TypeScript

Database & Data Management: MongoDB, NoSQL, PostgreSQL, JDBC, MySQL, SQL Loader, SQL

Server Frameworks: Node.js, Spring Boot, Docker, Hibernate, Kubernetes

Tools & Methodologies: Postman, SOAPUI, JIRA, Confluence, Agile/Scrum, Waterfall Development

Cloud & Version Control: Docker, Kubernetes, AWS, Azure, Jenkins, Git, GitHub, GitLab

WORK EXPERIENCE

Careington | Frisco, TX

01/2024 - PRESENT

Software Engineer

- Created and deployed full-stack web applications using **React, Angular, C#, and ASP.NET Core**, following **Scrum** methodologies to deliver scalable solutions that improve system performance by 40% and support business operations.
- Led **Agile** development sprints, collaborating with a cross-functional team to deliver new features for the product every two weeks, boosting project delivery efficiency by 35%.
- Leveraged **Azure DevOps** to automate continuous integration and Continuous deployment (CI/CD) pipelines, accelerating deployment times by 50% and improving team collaboration and productivity.
- Migrated a JavaScript codebase to **TypeScript**, reducing runtime errors by 40% and enhancing maintainability.
- Reduced technical debt by employing reusable design patterns, improving code maintainability by **30%**.
- Developed and debugged backend services on **Linux platforms**, utilizing shell scripting and tools such as **Docker** and **Kubernetes** for containerization and orchestration.
- Led the design and development of enterprise-scale, event-driven applications using **Java/J2EE** technologies, improving system responsiveness and throughput by 30%.
- Scaled **Spring Boot microservices** to process over 2 million daily transactions, reducing billing errors by 90% through optimized database queries.
- Built and deployed a machine learning pipeline with Python, reducing data processing time by **30%** and improving model accuracy by **15%**.
- Built backend services using Python, reducing latency by **25%** in real-time data processing.
- Provided mentorship during code reviews, helping junior **software developers** enhance their debugging and problem-solving skills, which contributed to a 50% reduction in recurring issues and increased team productivity.

Tech Stack: ReactJS, Angular, .NET, C#, Java, Spring Boot, Docker, Kubernetes, CI/CD pipeline, scrum, AWS.

Software Engineer

- Crafted interactive dashboards with **HTML, CSS, JavaScript, TypeScript, and React** to visualize fraud trends and collaborated with cross-functional **Agile** teams, delivering the project on time and reducing manual fraud investigation efforts by 50%.
- Built web components using **React** and **Vue.js**, improving client-side rendering speeds by **20%**.
- Collaborated with product managers and UX/UI designers to implement features that improved user satisfaction by **25%** as measured by post-launch surveys.
- Managed large-scale **Git repositories**, optimizing repository structure and reducing cloning times by **20%**.
- Designed and implemented **RESTful APIs** with **Java Spring Framework**, streamlining data exchange and enabling seamless integration with third-party applications.
- Managed **AWS** infrastructure using **EC2, S3, IAM and RDS** to deploy scalable applications, improving system uptime by 30% while reducing operational costs.
- Designed and optimized relational databases using **MySQL and SQL Server**, achieving a 40% enhancement in query performance through indexing and query optimization.
- Utilized Java Spring framework for **Inversion of Control (IoC), Dependency Injection (DI), and Aspect Oriented Programming (AOP)** for modular and maintainable code architecture.
- Managed cloud infrastructure, utilizing load balancers to ensure scalability and high availability of applications, effectively supporting 5x more user traffic without compromising system performance.

Tech Stack: HTML, CSS, JavaScript, TypeScript, React, RESTful APIs, spring frameworks, EC2, S3, IAM, AWS Lambda, Azure, MySQL, SQL

EDUCATION

Masters in Computer Science, *University of Central Missouri*, May 2024

Bachelor of Technology in Information Technology, *KITSW, India* - May 2022

PROJECTS

Parcel Management System | Tech Stack: React, python, MongoDB, NodeJS, Micro Services

- Deployed a robust system with a front-end service such as **React and Vue.js**, enhancing user experience and reducing page load times by 30%, and **back-end services** using **TypeScript** and **Node.js**, integrated with **Kafka** for real-time event streaming.
- Implemented a token bucket-based rate limiter with **NodeJS, Express JS, and Redis**, successfully managing up to 10,000 API requests per second, ensuring system stability and reducing response delays by 30% during peak traffic.

Mern Chat-app | Tech Stack: NodeJS, Web sockets, Tailwind CSS, MySQL, Git, Kafka

- Built a full-stack MERN chat application using React, Tailwind CSS, HTML, and Web Sockets for the front-end, with MySQL and Kafka for backend messaging, enabling real-time chats, online user status, secure file sharing, and encrypted communication.

Payment gateway | Tech Stack: Angular, Typescript, Spring boot, RabbitMQ,

- Engineered a secure payment system leveraging Angular and TypeScript for the front-end, Spring Boot for back-end security, and Razor pay API integration, enabling seamless and secure processing of up to 1,000 transactions per minute.

Cine-list | Tech Stack: API, Redux, Axios, Tailwind CSS

- Increased user engagement by implementing dynamic movie search and filter features using React, Redux, and Axios, leveraging the TMDB API, resulting in a 30% improvement in user retention through enhanced interactivity and responsiveness.