Navya Teja Gajula

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Professional Summary

Proficient Full Stack Java Developer with over 3 years of hands-on experience in designing, developing, and maintaining robust web applications. Strong expertise in both client-side and server-side technologies, including Java, Spring Boot, Hibernate, React.js, Node.js, and SQL. Adept at building RESTful APIs and microservices, with a deep understanding of object-oriented programming principles and software design patterns.
Experienced in developing responsive single-page applications (SPAs) using React.js, enhancing user experience with modern JavaScript frameworks. Skilled in database management, both relational (MySQL, SQL Server) and NoSQL (MongoDB), ensuring efficient data storage and retrieval. Knowledgeable in cloud-based development using AWS, including services such as EC2, S3, RDS, Lambda, and CloudFormation for automating infrastructure setup. Proficient in containerization and orchestration technologies, including Docker and Kubernetes, to ensure consistent and reliable deployments. Strong background in setting up CI/CD pipelines with Jenkins, automating the software development lifecycle. Familiar with Agile methodologies and experienced in participating in Scrum ceremonies, contributing to continuous improvement and effective project delivery

Education

The University of Texas at Dallas **Aug 2022 – May 2024**
Master of Science in Computer Science (GPA: 3.77/4) *United States*

National Institute of Technology **Aug 2018 – May 2022**
Bachelor of Technology in Electronics and communication (GPA: 7.77/10) *India*

Technical Skills

Programming Languages: Java, JavaScript, Python, PySpark, HTML, CSS, C++, Go
Front-End Development: React.js, HTML5, CSS3, jQuery
Back-End Development: Node.js, Express.js, Spring MVC, Spring Boot
Database Management: MySQL, MongoDB, Hive, HBase, Cassandra, DynamoDB, SQL Server, HQL, Database Design
Big Data Technologies: Hadoop, Kafka, Databricks
Software Development Practices: Agile Methodologies, DevOps, Continuous Integration/Continuous Delivery (CI/CD)
Tools & Frameworks: Docker, Kubernetes, Git, GitHub, Jenkins, AWS, Jira
Operating Systems and others: Linux, Unix, Windows, PostMan, RESTful APIs

Work Experience

DBT Auction House **May 2024 – Present**
Full Stack Developer *United States*

- Spearheaded the development of the Dollar Bid Ticket (DBT) platform, an innovative silent auction system with a unique bid ticketing model
- Built dynamic, mobile-responsive interfaces using React.js, HTML5, and CSS3, with advanced JavaScript enhancing user interactivity
- Engineered auction logic using Node.js and Express.js, including bid ticket management, real-time updates, and secure JWT-based authentication, which enhanced platform security by 40%
- Optimized MongoDB schemas for user profiles, bid histories, and transactions, ensuring high performance and scalability
- Created RESTful APIs and integrated third-party payment systems to ensure platform functionality
- Implemented practices to drive iterative development, ensuring high-quality feature delivery
- Managed source code using Git and GitHub, ensuring efficient version control and collaboration

STORM Center of Hope & Service **June 2024 – Present**
Software Engineer *United States*

- Specialized in enhancing CRM systems through custom website development, improving customer experience and business process efficiency
- Designed and implemented solutions that streamlined CRM workflows, increasing system efficiency by 30% and reducing operational costs by 15%
- Integrated data analytics tools into the CRM, enabling real-time tracking of customer interactions, which led to a 25% increase in data-driven decision-making and a 10% boost in customer retention

The University of Texas at Dallas **Sep 2023 – May 2024**

Grading Research Assistant *United States*

- Guided students in mastering Data Structures and Algorithms (DSA) in Java, emphasizing object-oriented programming (OOP) principles
- Taught core React.js and MongoDB concepts, providing practical web development skills that enabled students to complete projects 20% faster
- Assisted in developing and refining student research projects, focusing on algorithms, data structures, and software design patterns
- Provided detailed feedback, helping students debug and optimize their code for better problem-solving and coding efficiency

The University of Texas at Dallas **Sep 2022 – Sep 2023**

Software Programming Instructor *United States*

- Led one-on-one sessions teaching Java, SQL, HTML, CSS, and JavaScript, enabling students to develop real-world applications with a 95% project completion rate
- Designed and implemented a comprehensive programming curriculum, facilitating hands-on projects for students
- Assisted in database design, front-end development, and back-end logic, tailoring instruction to different learning styles

Sai Balaji Enterprises **Jan 2021 - July 2022**

Software Development Engineer *India*

- Revamped the e-commerce platform using Spring MVC and React, increasing UI responsiveness and customer engagement by 30%
- Managed SQL Server to optimize data storage, retrieval, and scalability, resulting in improved performance
- Used jQuery for seamless asynchronous data updates with backend services
- Architected and implemented RESTful APIs to enhance communication between the user interface and server
- Implemented Docker for application containerization, improving deployment efficiency and consistency
- Leveraged methodologies for continuous integration and deployment using Git, Jenkins, and AWS

Academic Projects

Text Summarization using Latent Semantic Analysis **Jun 2023 - Jul 2023**

Technologies Used: PySpark, NLP, Apache Spark

- Created and designed a customized Latent Semantic Analysis (LSA) algorithm to condense text documents sourced from the Project Gutenberg Library
- Resulted in a concise representation that reduced content length by 75% and expedited data analysis
- Incorporated Singular Value Decomposition (SVD) to uncover term and sentence relationships and patterns, along with TF-IDF for precise term frequency calculations, yielded a remarkable 30% reduction in document length while preserving critical information

E-Commerce Website **Jan 2023 - May 2023**

Technologies Used: React.js, Node.js, SQL, Git

- Architected and executed an E-commerce Website using React.js integrated with the Ant Design library for frontend development, and Node.js for backend functionality
- This strategic approach resulted in a 40% increase in website performance and a 20% rise in user engagement
- Employed Docker for containerization and Git for version control, enhancing project scalability and collaboration efficiency, resulting in a 30% reduction in deployment time and a 25% increase in team productivity