

Tharun Rajeev

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SKILLS

Programming Languages:	Java, Python, C#, C++, JavaScript, SQL, HTML, Flask, Go Lang.
Frameworks & Technologies:	Dotnet Framework, NodeJS, ReactJS, AngularJS, NextJS, GraphQL, Kafka, Spark, .Net Core, WiseJ.Net, WPF, JWT, Window Forms, InstallShield, DevExpress, Postman.
Software Engineering:	Agile SDLC, DSA, Microservices, Containers, Deployment Strategies, System design, Design patterns, OOP, Rest APIs, JIRA, Swagger Hub, Task Estimation.
Cloud, Version Control & DevOps:	AWS, Azure, Docker, Docker compose, Kubernetes, GitHub, Jenkins.
Machine Learning & Data Analysis:	Pandas, NumPy, Matplotlib, Seaborn, PyTorch, TensorFlow, Keras, Scikit-Learn.
Certifications:	AWS Certified Developer Associate , AWS Certified Solution Architect , AWS Certified Cloud Practitioner , Kaggle Data Science , AWS Fundamentals , Python DS .

EDUCATION

California State University Long Beach, CA Master of Science in Computer Science - GPA: 3.85	Aug 2023 - May 2025
SRM Institute of Science and Technology, Chennai, India Bachelor of Engineering in Information Technology - GPA: 3.4	Aug 2017 - June 2021

PROFESSIONAL EXPERIENCE

One Advanced, Bangalore, India Software Engineer	Jan 2021 – June 2023
<ul style="list-style-type: none">Developed a robust full-stack C# application with secure Authentication and Authorization features to streamline Active Directory user synchronization for 10+ UK-based law firm clients, effectively communicating technical details to stakeholders and strengthening access management.Optimized Jenkins CI/CD pipeline for ALB desktop application by eliminating redundant DLL checks and parallelizing build tasks, reducing build time by 77%, significantly enhancing developer productivity and release efficiency.Architected, deployed, and scaled AWS infrastructure using services like S3, EC2, CloudWatch, and Load Balancer, improving system reliability and scalability. Incorporated IAM roles and bucket policies, ensuring secure data access.Engineered 15+ reusable C# front-end components, reducing redundancy cutting development time by 25%, and migrated them to JavaScript with WiseJ.Net to preserve business logic during cloud transition.Deployed an automated build and deployment pipeline for artifacts into AWS S3, streamlining the hotfix deployment process and reducing manual intervention time.Leveraged AWS DynamoDB to manage user data and track over 10,000 events for the Time Recording Cloud project, improving data retrieval speeds by 42% and boosting overall system performance, enhancing operational efficiency.Wrote unit test cases covering 80% of new code in XUnit (.Net, C#), improving test coverage and reducing the likelihood of defects in production.	
JSW Steel Ltd, Mumbai, India Software Developer	Dec 2019 - Mar 2020
<ul style="list-style-type: none">Addressed and resolved 20+ bugs in a ReactJS web application, boosting system stability by 18% and improving user experience through performance optimizations and feature enhancements.Formulated a barcode and QR code generation system in Java, facilitating the unique identification of 5,000+ materials, cutting manual inventory tracking errors by 25% and streamlining production workflow efficiency.Managed PostgreSQL databases, optimized 30+ complex queries, and improved overall data access efficiency by incorporating GraphQL and Elasticsearch.Conducted regular code reviews and debugging sessions, enhancing code quality, and reducing production issues.	
TATA Technologies, Mumbai, India Software Developer Intern	Mar 2019 - Aug 2019
<ul style="list-style-type: none">Revamped backend search logic in Node.js by integrating database indexing and Redis caching strategies, slashing response times from 5s to 1s (80% performance boost) for an MVP.Implemented a cutting-edge authentication system using JWT in Flask, which mitigated security vulnerabilities by 40%, bolstering the application's defenses while providing a foundation for future security enhancements and scalability.	

PROJECTS

Real-time Streaming Analytics Application
<ul style="list-style-type: none">Developed a real-time analytics platform with Kafka and Spark Structured Streaming, processing 1M+ daily taxi trips, reducing data processing time by 40%, and enabling real-time fleet and pricing decisions.Led development of a Kafka Connect integration with Cassandra, supporting 1,000+ queries per second for data optimizations and utilizing a NoSQL database for long-term storage and analysis.
Sorting Algorithm Visualizer View Website
<ul style="list-style-type: none">Built a React.js app to visualize and compare 9 sorting algorithms (e.g., Bubble Sort, Merge Sort, Quick Sort), enhancing understanding of algorithm efficiency and performance.
Social Cop
<ul style="list-style-type: none">Developed an Android app using MongoDB to store 8,000+ posts and AWS S3 for complaint image storage, with Node.js handling server-side, dynamically scaling servers to reduce latency by 30% and handle up to 5,000 concurrent requests.Built the app's user interface with Java in Android Studio, utilizing Retrofit for multi-screen UI and automated email notifications to officials via SMTP based on complaint type.